

ASTRONOMICAL
OBSERVATIONS,

MADE AT THE

ROYAL OBSERVATORY

AT

GREENWICH,

FROM

THE YEAR MDCCL. TO THE YEAR MDCCLXII.

BY THE

REV. JAMES BRADLEY, D. D. F. R. S.

ASTRONOMER ROYAL,

AND SAVILIAN PROFESSOR OF ASTRONOMY AT OXFORD.

V O L. II.

TOGETHER WITH

A CONTINUATION OF THE SAME

BY THE

REV. NATHANIEL BLISS, M. A. F. R. S.

ASTRONOMER ROYAL,

AND SAVILIAN PROFESSOR OF GEOMETRY AT OXFORD.

OXFORD:

AT THE CLARENDON PRESS,

MDCCCV.



THE Savilian Professor of Astronomy having given, in his Preface to the First Volume, so full an account of Dr. Bradley's Observations, and of the Instruments with which they were made, it appears to the Editor of this, that the following short statement of particulars, concerning its contents, is all that is requisite for the further information of the reader.

Mr. Bliss's Observations, being considered after his death as private property, devolved to his widow, and the Board of Longitude purchased them from her with a view to render them subservient to the great and important objects of its institution. The same motive induced the Board of Longitude to procure the Observations made by the Assistant Observer, Mr. Charles Green, from Sept. 2, 1764, the day on which Mr. Bliss died, to March 15, 1765, inclusive. The Manuscript Observations being thus secured, for the use of the Public, were deposited in the Royal Observatory at Greenwich till the first day of last March; when the Board of Longitude made an offer of them to the Delegates of the Clarendon Press at Oxford. This offer was accompanied with another, from the present Astronomer Royal, of certain Calculations made from the Manuscripts whilst in his possession, with a view to lessen the labour of preparing the Observations for the press*. To both these proposals the Delegates of the Clarendon Press readily acceded, being fully persuaded that the papers thus offered would constitute a proper supplement to those of Dr. Bradley, and that by publishing them they should co-operate with the Board of Longitude in its highly laudable endeavours to promote the improvement of Science.

The Observatory at Greenwich was furnished with accurate Instruments, suitable to the improved state of Astronomy, in the year 1750; and it appears from the complete series of Observations made with them, and now before the Public, that those to whom they were entrusted have fully discharged their duty. Such persevering observation by day and by night, and through all the vicissitudes of seasons, deserves the thanks of every man of science, and is particularly entitled to the gratitude of every maritime Nation. It has furnished Mathematicians with materials for improving the connection between practical and physical Astronomy, so happily established by Sir Isaac Newton; and the consequence of this improvement has been, without doubt, the preservation of much wealth and many highly valuable lives at Sea.

In conformity with the manner in which the preceding Volume was published, it became the duty of the Editor of this to calculate the Apparent Times of several immersions and emersions of Jupiter's Satellites, &c. and in these Calculations he was much assisted by M. de la Caille's Ephemerides des Mouvements Célestes, as they afforded him the Equation of Time for the year and day for which he had occasion, due allowance being made for the difference of Meridians. He had also to compute all the Mean Times of the Transits of the Moon and Planets†; and the intelligent reader will perceive that this labour was very much increased in the latter years of Dr. Bradley's Observations, and throughout the whole of those of Mr. Bliss. In computing the Mean Times, the Editor of the present Volume had recourse to Dr. Maskelyne's Tables for the Epochs of the Mean Longitude of the Moon's ascending Node, and for the Retrograde motion of the Moon's Node to every day in the year; but at the same time he used M. La Lande's Tables, published in the third Edition of his Astronomy, for the Sun's Mean Longitude at the beginning of each year, and for the Sun's Mean Motion for every day in the year, the allowance of 23" in Right Ascension being made for the difference of Meridians between Paris and Greenwich. Besides these

* The Calculations, here alluded to, were, 1. Daily Rates of the Transit Clock, now printed in p. 413, 414. of this Volume. 2. Calculated Mean Times of the Moon's passing the Meridian, with Longitude and Latitude, &c. printed in p. 417, 418. 3. Apparent Right Ascensions of the Planets, printed in p. 419, 420.

† The Mean Times furnished by Dr. Maskelyne, and printed in p. 417, 418. are to be excepted in this statement.

Calculations, the present Editor found it necessary to reduce about 3000 Observations, made with the exterior Divisions of the Quadrant, to degrees, minutes, and seconds. The omissions were almost all confined to the latter years of Dr. Bradley's Observations; and, without doubt, were to be attributed to the aged infirmity of that eminent and justly celebrated Astronomer, or to the inattention of his Assistant.

When manifest errors occurred in the Manuscripts*, either in the Transit or Quadrant Observations, in printing them an asterisk was affixed both to the mistaken and true numbers. In a few instances, in the Quadrant Observations, a Q is inserted when the Observations by the outer and inner Divisions, as recorded, contradict one another.

That the reader may fully understand some remarks, it may be necessary to inform him, that N. stands for the new Clock in the Transit Room, Q. for the Clock in the Quadrant Room, and G. for the Clock in the Great Room. When the times by any two of these are compared, the comparison is expressed thus, N. Q. 4", meaning that the Transit Clock was 4" before the Quadrant Clock.—In the pages which contain Apparent Right Ascensions asterisks are placed against such Stars as were used in reducing the Right Ascensions of all the other Stars.

Although the Transit Instrument and Quadrant, previous to Sept. 1750, were deemed so inferior, as to induce a persuasion that the Observations at large, during the former years, ought not to be published, several conversant in Astronomy believed that Extracts both curious and useful might be made from them. Such Extracts were accordingly made, and printed in this Volume; and the Editor hereby assures the Public, that he has withheld nothing either likely to satisfy the rational wishes of the inquisitive, or afford assistance to the Astronomer.

On the whole, the Editor presents the Volume to the Public with a considerable mixture of joy and anxiety. A view of the completion of his very great labour, in conducting the work through the press, gives him much pleasure; but this is lessened by a fear that he may have left some errors unnoticed, and committed others himself. He has at all times, however, carefully endeavoured to guard against both; and he is perfectly convinced, that those who best know the nature of the task, which he had to perform, will be most ready to make allowance for accidental mistakes.

* The Editor on many occasions obtained much assistance from Mr. Wollaston's Specimen of a general Astronomical Catalogue, printed in 1789.

FEB. 15, 1805.

ABRAM ROBERTSON, M.A. F.R.S.

SAVILIAN PROFESSOR OF GEOMETRY.

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ERRATA.

In page 11. for the Tranfit of $\odot$ 1st L. on Feb. 22. read $22^h 21' 15'' +$
—— 31. in Aug. 6. oppofite to $19^h 30' 3'' +$ read β *Sagittæ*.
—— 31. in Aug. 9. oppofite to $19^h 36' 28'' -$ read δ *Sagittæ*.
—— 32. in Aug. 10. oppofite to $19^h 36' 27'' +$ read δ *Sagittæ*.

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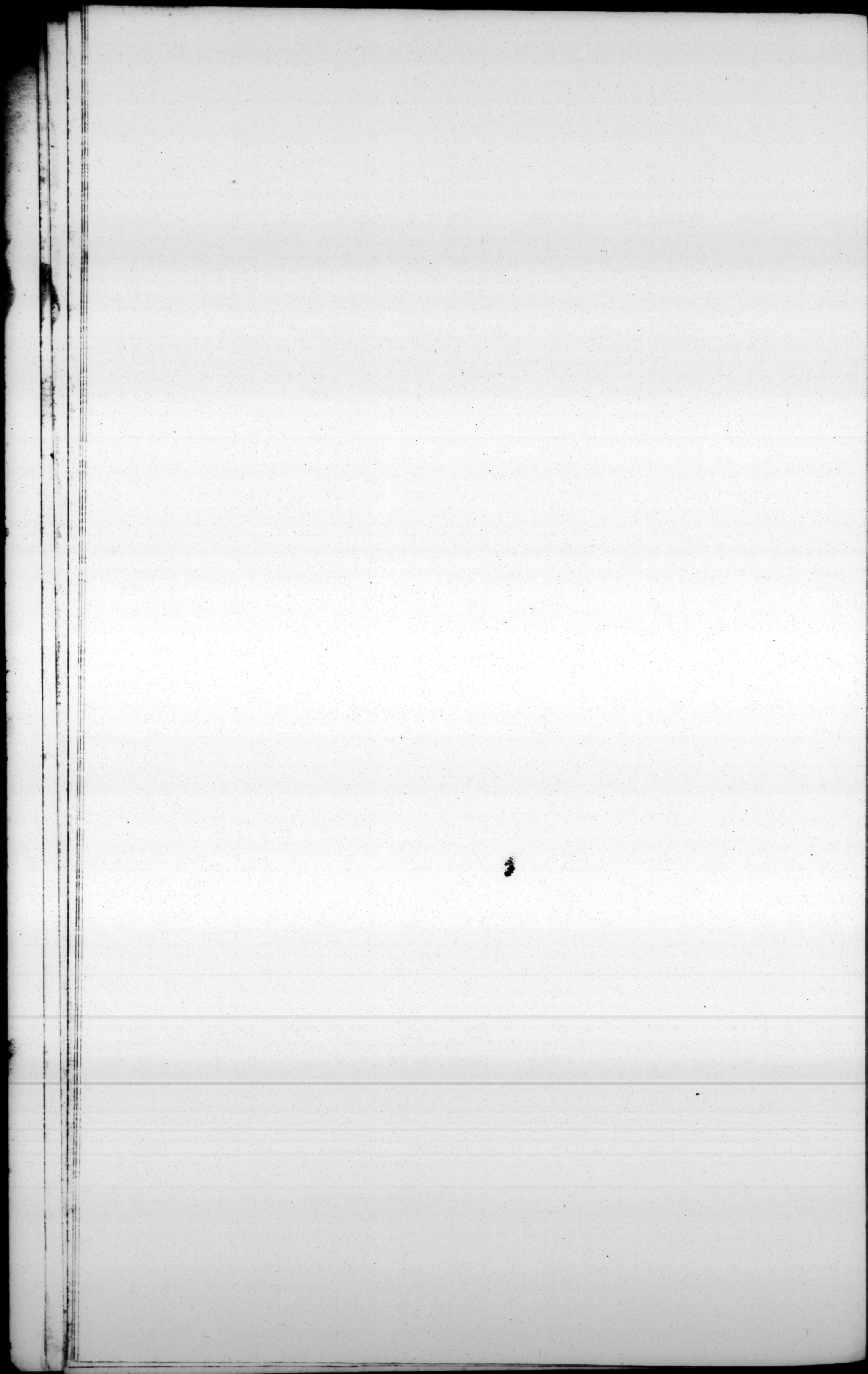
THE YEAR MDCCLVI. TO THE YEAR MDCCLXII.

BY THE

REV. JAMES BRADLEY, D. D.

ASTRONOMER ROYAL,

SAVILIAN PROFESSOR OF ASTRONOMY AT OXFORD,
AND FELLOW OF THE ROYAL SOCIETY.



OBSERVED TRANSITS

OF THE

S U N, P L A N E T S,

AND

F I X E D S T A R S,

OVER THE

M E R I D I A N.

In JANUARY MDCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
1st January, at 17 ^h , I wound up the Clock.						
5	Cloudy	46 42-	22 15 24: 23 47 21- 49 59+ 56 23- o 1 15+ 2 34- 4 58½ 6 29 8 54- 23 43- 24 28+ 25 17- 26 54- 28 32 29 43- 30 38+ 31 48+ 41 54	Cloudy Clouds		D 1st L. 3 ^h 16' 19", 19 mean time. ω } <i>Piscium.</i> 30 } α <i>Andromedæ.</i> <i>Algenib.</i> γ <i>Pegasi.</i> θ } 26 } ρ } <i>Andromedæ.</i> π } ε } δ } 32 } π } <i>Cassiopeiæ.</i> o } α <i>Orionis.</i>
6	27 38-	28 27	15 4 31- 6 15+ 18 29 16+	30 6-	30 54½	β <i>Libræ.</i> δ <i>Bootis.</i> α <i>Lyræ.</i>
7	10 40- 56 31	11 21½ 57 10+	19 12 3½ 14 24+ 23 57 50 o 1 19 2 38 5 3- 4 14 27 40- 28 29	15 6½ 15 48+ 59 9		☉ 1st L. ☉ 2d L. D 1st L. 4 ^h 50' 32", 59 mean time. <i>Algenib.</i> γ <i>Pegasi.</i> θ <i>Andromedæ.</i> α <i>Lyræ.</i>
8	15 5-	15 46+	18 16 28 18 49	19 31	20 12½	☉ 1st L. ☉ 2d L.
10	19 46+	20 26+	2 21 6½	21 47-	22 26½	D 1st L. Cloudy. 7 ^h 1' 30", 77 mean time
12	32 27+	33 9+	3 33 51	Cloudy		η <i>Pleiadum.</i>
13		55 56	23 56 39+	57 23+	58 6½	α <i>Andromedæ.</i>

In JANUARY MDCC LVI.

DAY of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
♂ 13	0 13- 3 38½	0 52+	0 1 32- 5 15+ 6 46+ 9 11- 12 52+ 16 12- 27 11- 30 55- 32 5+	2 12-		Algenib. θ } Andromedæ. 26 } ρ } 43 } Piscium. 47 } δ Andromedæ. π } Cassiopeiæ. o } μ } Tauri. γ } α Aldebaran. D 1st L. 9 ^h 17' 4'',35 mean time. D Cent.
♂ 14		24 31+ 30 16- 32 30+ 35 9 37 58-	15 25 15- 31 4½ 33 9+ 35 49½ 38 39 40 15 46 5-	25 58+ 33 48+	26 42-	α } Coronæ Bor. ε } α } Serpentiæ. β } κ } δ Coronæ Bor. γ Serpentiæ.
♂ 15		28 26+ 32 48 39 25+ 44 36 49 6	I 25 45 27 12- 29 26+ 33 27+ 35 54+ 40 9½ 41 6+ 42 7½ I 45 18 49 57 52 15- 53 53+ 54 23½ 56 31 58 18- 59 12+			λ } Andromedæ. τ } 54 } o } Piscium. 4 Arietis. α Trianguli. γ } Arietis. β } λ Arietis. γ Andromedæ. 61 Ceti. κ } α } Arietis. 14 } 16 } i Trianguli. Aldebaran. Capella. Rigel. ε Geminorum. D 1st L. 10 ^h 54' 12'',0 mean time. α Aquilæ.
♀ 16	50 0+ 32 14+ 19 37+ 34 11+ 42 1- 51 40½	50 41½ 33 8- 25 16½ 42 45½ 52 30+	19 51 23- 53 43+ 20 34 2- 2 15 31- 17 57½ 20 58+ 23 57- 25 58- 28 38 31 42- 35 35+ 38 5+ 43 30+ 45 7½ 48 33- 50 30+ 53 21- 56 35+ 58 41- 3 1 53- 4 57+ 6 52- 8 34- 9 37½ 4 22 55- 26 13- 26 18½ 28 36- 30 44+	54 24+ 34 56	55 5½ 35 50-	⊙ 1st L. ⊙ 2d L. α Cygni. 13 Trianguli. 26 } 28 } Arietis. 30 } θ Persei. 36 Arietis. 16 Trianguli. τ } Persei. 21 } 47 } Arietis. 49 } α Ceti. β } Persei Algol. u } δ } Arietis. ε } ζ Eridani. 95 Ceti. 62 Arietis. 16 Eridani. Aldebaran. 1 σ } 2 σ } Tauri. τ } 54 Eridani.
	21 35-	22 14½	4 22 55- 26 13- 26 18½ 28 36- 30 44+	23 35-	24 15-	

In JANUARY MDCC LVI.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
♀ 16		36 56-	31 51+ 32 21- 34 17- 37 35- 39 11½ 41 53 43 43- 45 29- 46 26½ 48 37- 50 25 51 37- 54 21½ 59 41 5 1 47- 2 48- 3 47+ 42 56+ 35 22+ 17 10½ 19 58- 28 23- 18 29 37- 30 26½	43 35+ 30 2½ 20 43+ 29 4½ 30 11 30 26½	42½ 46- 52½ 47+ 31 16-	55 } Eridani. 56 } μ } 1 } Orionis. 3 } ω } Eridani. ω } ε } Aurigæ. ζ } 13 Camelopard. η Aurigæ. ι γ Orionis. 105 Tauri. Capella. 108 } Tauri. 67 } Rigel. α Syrius. ο Canis Minoris. Castor. D 1st L. 11h 44' 8",79 mean time. D Cent. Pollux. α Lyra.
♂ 17.	28 0½	55 00 20 49½	19 55 42- 58: 1½ 18 29 39	43 30 29-	24+ 31 17½	⊙ 1st L. ⊙ 2d L. α Lyra.
⊙ 18.	58 37- 0 57- 32 18- 34 6-	59 18 1 38 33 11+ 34 45½ 6 22- 10 42+ 18 17+	20 0 0- 2 19 34 6- 6 35 26- 9 7 9 9 3+ 11 25½ 18 58-	41- 3 1- 35 0- 36 6+ 38+	1 22 41½ 35 53+ 46½ 20 19	⊙ 1st L. ⊙ 2d L. α Cygni. Syrius. 41 Lyncis. 26 Hydra. κ Leonis. D 2d L. 13h 26' 30",04 mean time.
D 19.	57 56 17 29½	53 44 58 51+ 3 14 5 0+ 9 57- 38 55 41 12+ 41 46- 47 43- 55 45½ 21- 26+	4 54 25- 56 12+ 59 46½ 5 0 36+ 1 53- 3 53 5 42- 6 50- 10 37- 11 57 13 17 18 51½ 20 37- 21 46- 23 2+ 24 21+ 24 28+ 28 6- 29 31+ 30 56- 32 59- 33 21½ 35 40- 39 35- 41 54 43 2 9 36 13- 38 51+ 40 40+ 42 25- 44 33- 46 15- 48 22 52 33+ 56 25 10 4 3+ 4 8+	43 41- 49 1+ 57 5-	18½ 57 44+	105 Tauri. ε Leporis. Capella. 14 Aurigæ. 108 Tauri. Rigel. η Tauri. τ Orionis. 110 } Tauri. β } η Orionis. β Leporis. δ Orionis. 10 } Leporis. α } 10 } Orionis. 20 } ο Aurigæ. ζ } Orionis. b } 28 } τ } Aurigæ. ν } 137 or 138 Tauri. δ Leporis. α Orionis. 16 Leonis Minoris. 4 } 7 } Sextantis. 9 } 10 } 11 } π Leonis. 13 Sextantis. Regulus. 35 } Leonis. 5 }

In JANUARY MDCC LVI.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
19.	6 10 $\frac{1}{2}$ 11 16 28 5-	6 51 $\frac{1}{2}$ 11 56 53 $\frac{1}{2}$ 16::	7 33- 12 36 15 32: 18 29 43+ 19	13 16 $\frac{1}{2}$ Windy 30 33-	13 56 31 21 $\frac{1}{2}$	γ Leonis. 2d L. 14 ^h 16' 1'',55 mean time. Antares. α Lyrae. α Aquilae v. faint.
20.	7 11 9 30 2 37+ 34 9 $\frac{1}{2}$ 0 48+ 4 31- 8 21-	52 $\frac{1}{2}$: 10 11 58 53- 3 16 49 $\frac{1}{2}$ 1 30 5 10 $\frac{1}{2}$ 8 59 $\frac{1}{2}$	20 8 33+ 10 52 $\frac{1}{2}$ 4 59 48+ 5 3 55- 6 35 30- 10 50 22 52 13 53 31+ 11 2 12- 2 30+ 5 50 $\frac{1}{2}$ 9 38	14 $\frac{1}{2}$ 11 34- 0 44 4 34 36 10+	56- 16- 5 13- 50+ 7 10-	$\odot$ 1st L. v. windy. $\odot$ 2d L. Capella. Rigel. Sirius. b } g } x } Leonis. d } h } 2d L. 15 ^h 5' 9'',26 mean time. α Leonis.
21.	11 27 $\frac{1}{2}$: 13 46 57 59+ 2 39+ 57 42+ 3 5+	12 8+ 14 27- 58 55- 3 18- 58 22 3 45+	20 12 49+ 15 8+ 4 54 10 $\frac{1}{2}$ 55 35+ 59 50+ 5 3 57- 6 54- 11 59 2- 12 4 25+	13 30+ 49+ 1 46- 4 36- 41+	14 11+ 16 30+ 2 41- 5 15- 0 20 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. m } 21 } Tauri. Capella. Rigel. τ Orionis. 2d L. 15 ^h 54' 14'',02 mean time. γ Corvi.
23.	46 14- 59 48+ 4 21+ 28 13-	46 54- 0 27+ 5 2 $\frac{1}{2}$ 29 2-	13 47 33 $\frac{1}{2}$ 14 1 7- 5 44- 18 29 51+	13+ 6 25- 30 41-	48 53+ 7 6- 31 29 $\frac{1}{2}$	2d L. 17 ^h 34' 31'',78 mean time. α Virginis. Arcturus. α Lyrae.
24.	10 31- 21 50+ 58 6+	 15 57- 22 30+ 59 1- 42 33	4 8 1+ 11 48+ 12 46 16 37+ 18 31+ 23 10+ 59 56+ 5 43 12+	 23 50 $\frac{1}{2}$ 0 52- Cloudy	 24 30+ 1 47-	h } r } Tauri. Eridani. E } 84 } Tauri. α Aldebaran. Capella. α Orionis.
25.	32 14- 41 45- 51 11+ 5 24- 11 3+	52 11+ 26- 51 51 $\frac{1}{2}$ 6 2+ 11 44- 39 28	15 25 37- 29 11+ 33 31+ 39 50- 43 7 46 32- 48 10 52 33- 16 6 41 12 25 15 44 $\frac{1}{2}$ 19 40 7	34 10+ 48+ 7 20 16 27+ 40 46+:	44 29+ 17 10 41 25:	α Coronae Bor. α Librae. a } b } Serpents. 2d L. 19 ^h 21' 50'',38 mean time. γ Serpents. λ Coronae Bor. β Scorpui. e Ophiuchi. γ Herculis. Antares. α Aquilae.
26.	32 36- 40 7- 5 26- 11 5 32 35+	33 16+ 40 47 6 4+ 11 46- 33 29-	20 33 57 $\frac{1}{2}$ 36 15+ 1 41 27+ 42 29- 45 20+ 50 43- 54 14+ 54 45- 16 6 52- 6 43+ 12 20 34 22+	36 56 Cloudy 35 17	37 37- 41 47 $\frac{1}{2}$ 29 8-	$\odot$ 1st L. $\odot$ 2d L. γ } β } Arietis. i } α Piscium. u } a } Arietis. a } d } e } Ophiuchi. γ } α Cygni.
27.	36 47 5 26- 11 5 32 35+	37 27+ 27 12- 30 57 6 4+ 11 46- 33 29-	20 38 8+ 40 26+ 7 27 51+ 31 41 44 36 20 21 23 51+ 24 33 $\frac{1}{2}$ 27 53-	41 7 32 25 45 17 21 7- 28 31 $\frac{1}{2}$	41 47 $\frac{1}{2}$ 29 8- 43 40 57 $\frac{1}{2}$ 21 52+	$\odot$ 1st L. $\odot$ 2d L. Procyon. Pollux.
28.	40 58- 15 26 35-	Cloudy 55 $\frac{1}{2}$ 27 14-	20 42 19 44 36 7 20 21 23 51+ 24 33 $\frac{1}{2}$ 27 53-	0- 45 17 21 7- 28 31 $\frac{1}{2}$	43 40 57 $\frac{1}{2}$ 21 52+ 29 10	$\odot$ 1st L. $\odot$ 2d L. Castor. 70 } o } Geminorum. Procyon.

In JANUARY MDCC LVI.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
8 28.		30 59-	7 31 43-	32 27-	33 10+	Pollux.
24 29.	26 37+	3 1-	7 27 54+	28 33+	29 12	Procyon.
	30 17		31 45-	32 29-	33 12+	Pollux.
29 30.			4 19 22-			85 } Tauri.
			21 7-			6 }
	22 1 $\frac{1}{2}$	22 41+	23 21 $\frac{1}{2}$	24 2-	24 41 $\frac{1}{2}$	Aldebaran.
	58 18-	59 12	5 0 7 $\frac{1}{2}$	1 3+	1 58	Capella.
	2 56 $\frac{1}{2}$	3 35+	4 14+	4 53 $\frac{1}{2}$	5 32	Rigel.
	42 6-	42 44+	43 23	44 2	44 41-	α Orionis.
	34 29	35 10-	6 35 49+	36 29+	37 9 $\frac{1}{2}$	Syrius.
☉ Feb. 1. I put back the Clock one minute.						
2 4.	49 26 $\frac{1}{2}$	50 28-	17 25 29+	26 32 $\frac{1}{2}$	27 35+	β } Draconis.
	27 35 $\frac{1}{2}$	28 25-	51 30	52 32+	53 33 $\frac{1}{2}$	γ }
			18 29 14 $\frac{1}{2}$	30 4-	30 52 $\frac{1}{2}$	α Lyrae.
			19 39 26+	40 5 $\frac{1}{2}$	40 44	α Aquilae.
	31 53-	32 46+	20 33 41-	34 35-	35 28+	α Cygni.
4 5.	12 52-	13 32-	21 14 12-			☉ 1st L.
			16 27 $\frac{1}{2}$	17 8-	17 47 $\frac{1}{2}$	☉ 2d L.
	12 2+	12 41 $\frac{1}{2}$	1 13 21+	14 1-	14 40	☉ 1st L. 4 ^h 11' 52",69 mean time.
	52 40 $\frac{1}{2}$	53 22-	54 3+	54 45		α Arietis.
			2 33 6 $\frac{1}{2}$			π Ceti.
	34 51-	35 33+	36 16 $\frac{1}{2}$			41 }
			38 39+			σ }
			43 18-			3 ρ } Arietis.
		45 13+	45 54			ϵ }
			48 11			49 }
		52 9-	50 8 $\frac{1}{2}$			α Ceti.
	58-		52 59+			β Persei.
	0 9	0 50-	58 19			δ }
			3 1 31			ζ } Arietis.
			7 38			α Persei.
	21 13-	21 53-	4 22 33	23 13+	23 53+	Aldebaran.
			24 49+			89 }
			25 51			1 σ }
			25 57-			2 σ }
			28 14+			τ } Tauri.
			29 6-			95 }
			36 24+			96 }
			37 44-			1 }
			42 5+			2 π Orionis.
			43 51 $\frac{1}{2}$			k Tauri.
			46 5			ζ Aurigae.
		48 27	49 8 $\frac{1}{2}$			i Tauri.
			50 3+			n Aurigae.
			53 39 $\frac{1}{2}$			m }
			54 0-			1 l } Tauri.
			55 4-			2 l }
	57 29	58 24	59 19+	0 15-	1 9+	Capella.
	2 8-	2 46 $\frac{1}{2}$	5 3 26-	4 5-	4 44-	Rigel.
			6 22 $\frac{1}{2}$			τ Orionis.
			10 10+			110 } Tauri.
			11 30-			β }
			12 50-			n Orionis.
			14 53			118
		17 51	18 32-			119
		18 50	19 51-			120
			21 11-			121
			23 31+			122
			23 41-			ζ
			25 14+			125
			27 49-			126
			29 10			127
			31 27+:			128
			33 21			129
			34 30-			133
			37 13			135
			39 8-			137 & 138
	41 17	41 56-	42 35-			α }
			43 28 $\frac{1}{2}$			139 } Orionis.
			47 34 $\frac{1}{2}$			141 }
			49 54+			Propus.

In FEBRUARY MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
4 5.	59 22+	0 4-	5 55 32- 57 11½ 0 46- 2 43- 8 49-	1 28-		3 } 5 } 7 } 9 } 11 } 13 } 15 } 17 } 19 } 21 } 23 } 25 } 27 } 29 } 31 } 33 } 35 } 37 } 39 } 41 } 43 } 45 } 47 } 49 } 51 } 53 } 55 } 57 } 59 } 61 } 63 } 65 } 67 } 69 } 71 } 73 } 75 } 77 } 79 } 81 } 83 } 85 } 87 } 89 } 91 } 93 } 95 } 97 } 99 } 101 } 103 } 105 } 107 } 109 } 111 } 113 } 115 } 117 } 119 } 121 } 123 } 125 } 127 } 129 } 131 } 133 } 135 } 137 } 139 } 141 } 143 } 145 } 147 } 149 } 151 } 153 } 155 } 157 } 159 } 161 } 163 } 165 } 167 } 169 } 171 } 173 } 175 } 177 } 179 } 181 } 183 } 185 } 187 } 189 } 191 } 193 } 195 } 197 } 199 } 201 } 203 } 205 } 207 } 209 } 211 } 213 } 215 } 217 } 219 } 221 } 223 } 225 } 227 } 229 } 231 } 233 } 235 } 237 } 239 } 241 } 243 } 245 } 247 } 249 } 251 } 253 } 255 } 257 } 259 } 261 } 263 } 265 } 267 } 269 } 271 } 273 } 275 } 277 } 279 } 281 } 283 } 285 } 287 } 289 } 291 } 293 } 295 } 297 } 299 } 301 } 303 } 305 } 307 } 309 } 311 } 313 } 315 } 317 } 319 } 321 } 323 } 325 } 327 } 329 } 331 } 333 } 335 } 337 } 339 } 341 } 343 } 345 } 347 } 349 } 351 } 353 } 355 } 357 } 359 } 361 } 363 } 365 } 367 } 369 } 371 } 373 } 375 } 377 } 379 } 381 } 383 } 385 } 387 } 389 } 391 } 393 } 395 } 397 } 399 } 401 } 403 } 405 } 407 } 409 } 411 } 413 } 415 } 417 } 419 } 421 } 423 } 425 } 427 } 429 } 431 } 433 } 435 } 437 } 439 } 441 } 443 } 445 } 447 } 449 } 451 } 453 } 455 } 457 } 459 } 461 } 463 } 465 } 467 } 469 } 471 } 473 } 475 } 477 } 479 } 481 } 483 } 485 } 487 } 489 } 491 } 493 } 495 } 497 } 499 } 501 } 503 } 505 } 507 } 509 } 511 } 513 } 515 } 517 } 519 } 521 } 523 } 525 } 527 } 529 } 531 } 533 } 535 } 537 } 539 } 541 } 543 } 545 } 547 } 549 } 551 } 553 } 555 } 557 } 559 } 561 } 563 } 565 } 567 } 569 } 571 } 573 } 575 } 577 } 579 } 581 } 583 } 585 } 587 } 589 } 591 } 593 } 595 } 597 } 599 } 601 } 603 } 605 } 607 } 609 } 611 } 613 } 615 } 617 } 619 } 621 } 623 } 625 } 627 } 629 } 631 } 633 } 635 } 637 } 639 } 641 } 643 } 645 } 647 } 649 } 651 } 653 } 655 } 657 } 659 } 661 } 663 } 665 } 667 } 669 } 671 } 673 } 675 } 677 } 679 } 681 } 683 } 685 } 687 } 689 } 691 } 693 } 695 } 697 } 699 } 701 } 703 } 705 } 707 } 709 } 711 } 713 } 715 } 717 } 719 } 721 } 723 } 725 } 727 } 729 } 731 } 733 } 735 } 737 } 739 } 741 } 743 } 745 } 747 } 749 } 751 } 753 } 755 } 757 } 759 } 761 } 763 } 765 } 767 } 769 } 771 } 773 } 775 } 777 } 779 } 781 } 783 } 785 } 787 } 789 } 791 } 793 } 795 } 797 } 799 } 801 } 803 } 805 } 807 } 809 } 811 } 813 } 815 } 817 } 819 } 821 } 823 } 825 } 827 } 829 } 831 } 833 } 835 } 837 } 839 } 841 } 843 } 845 } 847 } 849 } 851 } 853 } 855 } 857 } 859 } 861 } 863 } 865 } 867 } 869 } 871 } 873 } 875 } 877 } 879 } 881 } 883 } 885 } 887 } 889 } 891 } 893 } 895 } 897 } 899 } 901 } 903 } 905 } 907 } 909 } 911 } 913 } 915 } 917 } 919 } 921 } 923 } 925 } 927 } 929 } 931 } 933 } 935 } 937 } 939 } 941 } 943 } 945 } 947 } 949 } 951 } 953 } 955 } 957 } 959 } 961 } 963 } 965 } 967 } 969 } 971 } 973 } 975 } 977 } 979 } 981 } 983 } 985 } 987 } 989 } 991 } 993 } 995 } 997 } 999 }
6.	27 40-	28 29-	18 29 18½	30 8-	57-	α Lyræ.
7.	20 57 12 48 13-	21 37- 23 52 52½	21 Cloudy 21 24 32 2 49 33	25 57 12+ 49 13+ 50 16½	23 37 25 52 53+ 57-	☉ 1st L. ☉ 2d L. ☽ 1st L. 5 ^h 39' 52",38 mean time. ☽ Cent. 53 } 54 } 55 } 56 } 57 } 58 } 59 } 60 } 61 } 62 } 63 } 64 } 65 } 66 } 67 } 68 } 69 } 70 } 71 } 72 } 73 } 74 } 75 } 76 } 77 } 78 } 79 } 80 } 81 } 82 } 83 } 84 } 85 } 86 } 87 } 88 } 89 } 90 } 91 } 92 } 93 } 94 } 95 } 96 } 97 } 98 } 99 } 100 } 101 } 102 } 103 } 104 } 105 } 106 } 107 } 108 } 109 } 110 } 111 } 112 } 113 } 114 } 115 } 116 } 117 } 118 } 119 } 120 } 121 } 122 } 123 } 124 } 125 } 126 } 127 } 128 } 129 } 130 } 131 } 132 } 133 } 134 } 135 } 136 } 137 } 138 } 139 } 140 } 141 } 142 } 143 } 144 } 145 } 146 } 147 } 148 } 149 } 150 } 151 } 152 } 153 } 154 } 155 } 156 } 157 } 158 } 159 } 160 } 161 } 162 } 163 } 164 } 165 } 166 } 167 } 168 } 169 } 170 } 171 } 172 } 173 } 174 } 175 } 176 } 177 } 178 } 179 } 180 } 181 } 182 } 183 } 184 } 185 } 186 } 187 } 188 } 189 } 190 } 191 } 192 } 193 } 194 } 195 } 196 } 197 } 198 } 199 } 200 }
8.	24 58½	25 38 53	21 26 18 21 28 33 3 35 24 3 38 19½	29 13+ 34 26 39 0 40 3 48 33 52 19	53 41- 44	☉ 1st L. ☉ 2d L. ☽ 1st L. 6 ^h 24' 32",94 mean time. ☽ Cent. λ A 39 1 ω 48 2 ω 51 φ h 60 1 δ 2 δ 75 1 θ 2 θ 81 ρ Aldebaran. Capella. Rigel. α Orionis. Syrius. Castor. k } f } Procyon. Pollux.
9.	32 59+	33 39- 35 53	21 34 19- 36 33::	58½ Cloudy	35 38 Cloudy	☉ 1st L. ☉ 2d L.
10.	21 23 57 39½	58 34 2 57-	4 22 43+ 4 59 29½ 5 3 26 11 40½	23 23½ 0 25- 4 15+ 13 39- 20 2½	24 3½ 1 19½ 53½ 43½	Aldebaran. Capella. Rigel. β Tauri. γ Orionis. ☽ 1st L. 7 ^h 57' 21",63 mean time. 112 } 125 } 129 } 132 } 136 } α Orionis. Syrius.

In F E B R U A R Y M D C C L V I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
10.	26 1- 29 41-	30 39½ 24½	7 27 18½ 31 8½	57+ 52½	28 35½ 32 36+	Procyon. Pollux. β } Draconis. γ } α Lyræ. α Aquilæ. α Cygni.
11.	36 58 39 12+	37 37½ 39 52-	21 38 17½ 40 31½ 4 15 12½ 20 50- 22 45 25 1+ 26 3+ 26 9 37 25 38 8+ 39 33+ 42 4+ 42 17½ 44 4- 46 34- 48 39 49 20½ 51 27+ 53 51½ 54 12- 55 57- 59 31+ 5 0 21½ 3 38- 6 35- 11 42- 13 2- 14 34- 18 36½ 20 22- 22 47+ 23 53½ 27 19- 29 16 30 41- 34 52- 37 0 39 20- 42 47- 6 9 1 11 51+ 35 13 7 19 49- 21 40½ 23 19 24 1+ 26 11+ 27 20- 28 51- 30 1½ 31 10½ 32 48- 33 38½ 39 21- 42 13 43 56+ 46 57½ 47 48: 49 19- 52 38+ 54 11½ 56 15+ 56 32½ 59 1- 8 4 5 6 49- 10 11+	41 11½ 41 51½ 23 25½ 24 5+ 4 17 4 56- 43 26- 35 53+ 13 33 30 33	39 38- 41 51½ 24 5+ 23 25½ 4 17 4 56- 43 26- 35 53+ 13 33 30 33	☉ 1st L. ☉ 2d L. ε } Tauri. δ } Aldebaran. 89 } 1 σ } Tauri. 2 σ } 1 } 1 π } 1 o } Orionis. g } 2 π } k } 101 } Tauri. i } 1 y Orionis. m } Tauri. 105 } ε Leporis. Capella. 14 Aurigæ. Rigel. τ Orionis. β Tauri. η Orionis. 116 Tauri. β Leporis. δ Orionis. α Leporis. ζ Tauri. σ } ζ } Orionis. b } 132 Tauri. α Orionis. 137 & 138 Tauri. α Orionis. μ Geminorum. D 1st L. 8' 45" 45", 18 mean time. Syrius. Castor. v } 70 } Geminorum. o } f } Procyon. σ } Geminorum. c } Pollux. g Geminorum. π Canis minoris. φ } Geminorum. 1 } 1 ω } 2 ω } x } 1 μ } 2 μ } 1 ↓ } 2 ↓ } ζ } β } λ } 1 d }

In FEBRUARY MDCC LVI.

DAY. of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H " "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.	
8 11.			8 11 40— 12 49— 14 56— 17 52— 19 23 20 11+ 22 5+ 25 33— 26 49— 29 57 31 36½ 32 54+			6.7 } 2 d } 2 v } 3 v } <i>Cancr.</i> η } 34 } 35 } δ } <i>Hydræ.</i> σ } γ } <i>Cancr.</i> δ } 10 <i>Hydræ.</i>	
9 13.	Cloudy		21 48 26— 4 6 49 8 39½ 9 46½ 10 57— 11 38+ 12 17+ 15 24— 15 33— 15 38+ 17 48— 18 50½ 20 54½ 22 50— 26 8— 26 13+ 28 31— 36 41— 38 10+ 39 38 42 9— 43 33+ 46 21½ 49 25+ 51 32— 53 56— 55 21+ 56 38 59 36+ 5 0 26— 1 42+ 3 42+ 5 31½ 8 51— 10 27— 11 47— 13 6— 14 38½ 18 48+ 20 26 23 58— 25 31 28 5+ 29 26: 33 37+ 35 47+ 37 30— 37 48+ 39 24½ 5 42 51+ 6 35 17+ 7 19 53½ 21 45+ 23 23+ 24 5½ 26 16— 27 24½ 28 55+ 30 6+ 31 15—	Cloudy		23 20— 24 10—	☉ 2d L. γ } x } 1 δ } 2 δ } 6 ^m } 3 δ } <i>Tauri.</i> 75 } 1 θ } 2 θ } 83 } 85 } ρ } <i>Aldebaran.</i> 1 } 2 σ } τ } <i>Tauri.</i> 96 } ι } 1 o } <i>Orionis.</i> g } 2 o } ζ <i>Aurigæ.</i> ι <i>Tauri.</i> 1 γ <i>Orionis.</i> m } <i>Tauri.</i> 21 } 2 γ <i>Orionis.</i> <i>Capella.</i> 14 <i>Aurigæ.</i> 108 <i>Tauri.</i> <i>Rigel.</i> n <i>Tauri.</i> 22 <i>Aurigæ.</i> 110 } <i>Tauri.</i> β } η <i>Orionis.</i> 116 } <i>Tauri.</i> 119 } δ <i>Orionis.</i> ζ } 125 } 126 } <i>Tauri.</i> 127 } 129 } 52 } 135 } <i>Orionis.</i> 137 & c } α } <i>Syrus.</i> <i>Castor.</i> v } 70 } <i>Geminorum.</i> o } f } <i>Procyon.</i> σ } <i>Geminorum.</i> c } <i>Pollux.</i>
	19 15+ 28 34—	42—					
	21 30—	22 15— 9½					
	35 21+						
		45 31— 48 44—					
		58 41—					
		3 3+ 4 50—					
		23 16+					
	41 34— 33 57—	42 12½ 34 37— 19 7+		43 30+ 57½	44 9+ 36 37½		

In FEBRUARY MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H . .	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 13.			7 32 52+ 34 50 37 25- 39 26- 42 18- 44 1- 47 2- 47 52+ 50 18+ 59 54- 8 6 53+ 10 16- 16 2 28 3 48: 6 19 10 45- 11 53- 15 22 16 5+	0 35½	1 16½	g { Geminorum. 82 { 5 Navis. φ { Geminorum. 1 { 1 { 1 ω { Cancri. 2 ω { 7 { D 1st L. 10h 25' 33",77 mean time. λ { Cancri. 1 d { δ Ophiuchi. 12 Herculis. ε { ↓ { Ophiuchi. g { Antares.
At 15h 43' 50" the first Satellite of Jupiter was not Immersed; it was then cloudy, and continued so until 15h 45' 10" when it was Immersed.						
h 14.	53 16- 27 57	53 56½ 28 46:	8 30 3+ 54 37+ 18 29 35½ 20 34 1½	18+ 30 25- 56-	55 59- 31 14- 35 49½	γ Cancri. D 1st L. Hazy. 11h 16' 10",14 mean time. α Lyræ. α Cygni.
☉ 15.	52 46 55 0- 27 59-	53 25½ 55 39- 28 47½	21 54 5½ 56 18½ 18 29 37+	54 45 58+ 30 27-	55 24+ 57 37½ 31 15½	☉ 1st L. ☉ 2d L. α Lyræ.
♂ 16.	56 41½ 21 35½ 57 51½ 2 30 41 39½ 25 0+ 36 6- 44 44	57 20½ 59 34 22 15+ 58 46+ 3 9- 42 18+ 19 13 22 41½ 32 55+ 45 24	21 58 0½ 22 0 13½ 4 20 40 4 22 55½ 59 42- 5 3 48- 42 57+ 7 19 59- 21 51- 23 29+ 24 11+ 26 21+ 27 30½ 29 1 30 12- 31 20½ 32 43+ 10 31 1- 33 34- 37 24+ 40 36 46 4- 49 5	40: 53+ 23 35½ 0 37 4 27 43 36+ 46 44-	59 19 1 32½ 24 15½ 1 32 5 5½ 44 14½ 47 23+	☉ 1st L. ☉ 2d L. Preced. Ald. & 1°. Aldebaran. Capella. Rigel. α Orionis. Castor. v { 70 { Geminorum. o { f { Procyon. σ { Geminorum. c { Pollux. α Geminorum. 34 { Sextantis. 36 { 1 Leonis. 46 Leonis minoris. D 2d L. 12h 59' 22",84 mean time. c Leonis.
♂ 17.	0 36 57 53 ½ 2 32- 9 14 41 41+ 48 55- 59 47- 7 49+ 23 17+ 28 31- 34 4½ 26 15- 29 55-	1 15- 58 48½ 3 10½ 42 20- 49 36+ 55 5+ 8 31- 29 13 44+ 26 53+ 30 38+	22 1 55- 4 7+ 4 59 44- 5 3 40- 10 34- 11 54½ 5 40 29- 42 59- 50 18 56 26+ 6 1 10- 9 13- 11 51+ 15 30- 24 38- 29 56- 35 25- 7 27 32½: 31 22+	4 47 0 39 4 29 12 38½ 36 5- 28 11+ 33 7-	5 26½ 1 34 5 7½ 13 22- 44 16+ 36 45- 28 49½ 32 50	☉ 1st L. ☉ 2d L. Capella. Rigel. 110 { Tauri. β { δ Aurigæ. α Orionis. Propus. 1 Lyncis. η { Geminorum. μ { 8 Monocerotis. ν { γ { Geminorum. ε { Syrius. Procyon. Pollux.
♀ 18.		28 54- 39 16-	18 29 43 19 39 55-	30 33- 34-	31 21+ 41 12½	α Lyræ. α Aquilæ. Very faint.

In FEBRUARY MDCCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
19.	8 22+	9 2-	22 9 41+	12 33	13 12½	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> 130 <i>Tauri.</i> * <i>Orionis.</i> 137 <i>Tauri.</i> 1 x } 2 x } <i>Orionis.</i> α <i>Procyon.</i> 4 <i>Geminorum.</i> 1 f <i>Orionis.</i> 7 8 9 10 11 μ } <i>Geminorum.</i> 14 15 16 17 19 49 <i>Aurigæ.</i> 7 } <i>Geminorum.</i> 25 15 <i>Monocerotis.</i> 2 ξ } <i>Geminorum.</i> 2 ξ <i>Syrus.</i> d 1 ω ξ 2 ω o τ m } <i>Geminorum.</i> 51 53 54 λ δ q A <i>Procyon.</i> * <i>Geminorum.</i> <i>Pollux.</i> ☽ 2d L. 15 ^h 31' 32", 35 mean time. α <i>Lyræ.</i> α <i>Aquilæ.</i>
20.	Cloudy		22 13 33½	16 25-	17 4	☉ 1st L. ☉ 2d L.
21.		58 55+	4 59 51-	0 46		<i>Capella.</i> 108 <i>Tauri.</i> <i>Rigel.</i> τ <i>Orionis.</i> σ <i>Aurigæ.</i> β ξ } <i>Tauri.</i> 129 132 α <i>Orionis.</i> <i>Syrus.</i> d } <i>Geminorum.</i> e 1 o 2 π } <i>Canis majoris.</i> 3 π 6 π ξ } <i>Geminorum.</i> 2 ω 2 o <i>Canis majoris.</i> o } <i>Geminorum.</i> 47
	5 36+	6 15-	5 1 57+	4 36		
	22 50+		6 3 57-	Cloudy		
			9 14+			
			12 1+			
			24 12½			
			33 52+			
			35 11+			
		42 27	43 6+	43 45+	44 24-	
	34 12-	34 51½	6 35 32-			
			38 3+			
	40 42-	41 21-	42 1-			
		44 27-	45 9			
			45 39+			
			46 11+			
			46 39½			
	49 23+		50 46			
			51 45-			
		53 16½	53 59-			
		54 50-	55 30+			
			57 22+			

In FEBRUARY MDCCLVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
6 21.			6 58 44 $\frac{1}{2}$ 7 0 29+			m } 51 } λ } δ } q } Geminorum. A } i } r } p } 2 b } o } Canis minoris. Castor. v } 70 } Geminorum. o } f } Procyon. σ } Geminorum. κ } Pollux. 1 ζ } 2 ζ } 3 ζ } Libræ. 4 ζ } 37 } γ } D 2d L. 17 ^h 17' 57", 22 mean time. κ } Libræ. η } α } 2 A } Serpentis. β } b } 1 A } 5.6 } 2 A } Scorpïi. π } δ } 50 } Libræ. β } 1 α } Scorpïi. 2 α } v } Herculis. 1 c } 2 c } Scorpïi. 17 } δ } Ophiuchi. 12 } Herculis. ε } Ophiuchi. σ } Scorpïi. ↓ } g } Ophiuchi. κ } Antares. 22 } Scorpïi. φ } ω } Ophiuchi. τ } Scorpïi. ξ } Ophiuchi. 33 } Herculis. 24 } Scorpïi. 39 } e } Herculis. α } ζ } Draconis. ε } Ursæ minoris. β } Draconis. α } Lyre. α } Aquilæ. α } Cygni.
3 51+	4 31 $\frac{1}{2}$ 6 4- 7 59		8 40 $\frac{1}{2}$ 9 43+ 11 41+ 13 41 14 23- 15 45 17 20+ 20 8+ 22 0- 23 38+ 24 21-: 26 30 $\frac{1}{2}$ 27 39 $\frac{1}{2}$ 29 10+ 30 50 31 30- 15 15 40 $\frac{1}{2}$ 16 58- 18 5+ 20 19+ 22 1 23 3+ 25 13- 29 4+ 31 31 $\frac{1}{2}$ 33 24+ 35 38+ 36 5- 37 30- 40 9+ 40 31- 41 12 45 17- 47 5+ 48 47 52 46- 53 43- 54 16+ 56 21 58 23- 58 27+ 16 1 31 2 43 16 4 3- 6 34 7 32+ 11 0- 12 8- 14 3+ 15 37+ 16 33 $\frac{1}{2}$ 18 20+ 18 50 $\frac{1}{2}$ 21 52+ 24 53 26 10: 28 37 32 51 $\frac{1}{2}$ 17 4 40- 9 16 12 58+ 26 4- 18 29 48 $\frac{1}{2}$ 19 40 0- 20 34 15- 21 22 15+ 23 27			
14 21-		19 22 21 16 $\frac{1}{2}$				
51-	24 31 $\frac{1}{2}$ 30 51 $\frac{1}{2}$ 32 45			54-	26 35-	
43 51 $\frac{1}{2}$						
50 4+	51 45-					
		0 51 $\frac{1}{2}$	16 1 31 2 43 16 4 3- 6 34 7 32+ 11 0- 12 8- 14 3+ 15 37+ 16 33 $\frac{1}{2}$ 18 20+ 18 50 $\frac{1}{2}$ 21 52+ 24 53 26 10: 28 37 32 51 $\frac{1}{2}$ 17 4 40- 9 16 12 58+ 26 4- 18 29 48 $\frac{1}{2}$ 19 40 0- 20 34 15- 21 22 15+ 23 27			
20 25+ 23 35-	21 8 $\frac{1}{2}$					
3 20-	36 16- 4 0			33 33+ 5 20-	5 59	
28 10+ 38 42 32 27-	28 59- 39 21- 33 20 $\frac{1}{2}$			30 38- 40 39+ 35 9-	31 27- 41 18+ 36 2-	
22.	19 57-	20 36	21 22 15+ 23 27	24 6+	24 45 $\frac{1}{2}$	© 1st L. © 2d L.

In FEBRUARY MDCCCLVI.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
22.			3 34 11— 59 31— 4 1 51— 3 28— 5 8+ 7 5+ 7 57 9 29½ 12 1+ 12 5— 13 37+ 15 33 17 25— 17 55— 19 11½ 21 11 23 6 25 22+ 26 24+ 26 30— 27 39 28 47+ 30 56— 33 3— 33 32— 34 28 36 57½ 38 17 39 23 42 25+ 44 25— 45 41— 46 38 48 48+ 49 45½ 50 37— 51 48+ 54 13— 55 26+ 56 55— 57 49+ 58 57 59 53— 5 0 42½ 1 59— 3 21½ 3 58½ 6 55+ 9 7— 12 3 20 42+ 26 4— 29 37— 35 3 37 1— 39 10 40 37½ 43 8— 50 27+ 53 6+ 54 48½ 56 5+ 56 52½ 58 41½ 6 1 19— 2 31 4 49+ 7 16+ 9 22— 12 14+ 14 24 14 36— 15 38+ 18 45+ 21 0—			η Pleiadum. ε Persei. 47 μ 51 γ h 60 1 x } Tauri. 2 x 71 ε 80 81 85 p Aldebaran. 89 1 σ 2 σ } Tauri. 2 c τ 54 55 } Eridani. 56 μ 96 } Tauri. i 3 } Orionis. g } k Tauri. e } ζ } Aurigæ. 9 n } 1 y Orionis. m Tauri. 12 } Orionis. 2 y 68 Eridani. Capella. 14 Aurigæ. 108 Tauri. 16 Aurigæ. Rigel, τ Orionis. 22 Aurigæ. β Tauri. δ Orionis. β Draconis; below. ζ Orionis. 133 } 134 } Tauri. 136 } δ Aurigæ. α Orionis. Propus. 2 Geminorum. γ Orionis. 3 } 4 } Geminorum. 6 } n } 2 f } Orionis. l } 46 Aurigæ. μ } 14 } 15 } Geminorum. 16 } v } 19 } 49 Aurigæ.
	21 46	20 31 22 26—		23 46+	24 26+	
		41 46—				
		49 45½				
		58 57				
	41 50½ 49 4—	42 29— 49 45 52 24—		4 38— 27 7+ 30 15+	5 17—	
	59 56—	0 37	6 1 19— 2 31 4 49+ 7 16+ 9 22— 12 14+ 14 24 14 36— 15 38+ 18 45+ 21 0—		44 25+	

In FEBRUARY MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 22.		24 6+	6 24 47-			7 } 25 } 28 } <i>Geminorum.</i> 2 ξ } 32 } Syrius. 11 <i>Canis majoris.</i> d } 37 } 39 } 40 } 1 ω } ζ } 2 ω } o } τ } m } 51 } <i>Geminorum.</i> 53 } λ } δ } q } A } i } r } p } 1 b } 2 b } Castor. v } 70 } <i>Geminorum.</i> o } f } Procyon. σ } <i>Geminorum.</i> κ } Pollux. g <i>Geminorum.</i> τ } <i>Navis.</i> 5 }
	40-	29 22	27 8- 30 5- 30 27+ 32 45+ 33 22- 35 33½ 36 53½ 38 5+ 41 27+ 44 54+ 45 33+ 48 42			
	13+	53+	50 47½ 51 46+ 55 32- 57 24 58 46+			
	49 25+	50 6+	7 0 31 1 52- 5 13½ 6 42 8 42 9 45- 11 43- 13 43- 14 24+ 15 17 15 46½ 20 10- 22 2- 23 40- 24 22+ 26 32+ 27 41 29 12 30 52- 31 32- 33 9- 35 11+ 37 41+			
		56 41-				
		8 1-				
	38½	19 24				
At 12 ^h 40 ^m 10 ^s by this Clock with the six foot Newtonian Reflector the first Satellite of Jupiter Immerged: Apparent time 14 ^h 15 ^m 32 ^s ,15						
			13 3 10 5 51- 9 30+ 13 33- 15 3- 16 3 33+ 7 10+ 7 34 11 2- 12 10- 14 5+ 15 39- 16 35½ 18 22+ 24 57½ 28 39½ 33 15+ 35 18- 37 31+ 39 39+ 42 49- 45 49 18 29 50 19 40 2-	10 9+		56 } <i>Virginis.</i> e } Jupiter 14 ^h 58 ^m 40 ^s ,0 mean time. Spica <i>Virginis.</i> i <i>Virginis.</i> 18 } 19 } <i>Scorpii.</i> σ } ↓ } g } <i>Ophiuchi.</i> κ } Antares. *56 22 <i>Scorpii.</i> φ <i>Ophiuchi.</i> D 2d L 18 ^h 13 ^m 34 ^s ,27 mean time. 24 <i>Scorpii.</i> ξ } i } <i>Herculis.</i> 20 <i>Ophiuchi.</i> k } 51 } <i>Herculis.</i> 54 & 55 } α <i>Lyræ.</i> α <i>Aquilæ.</i>
	12 15-	12 54-				
		10 20+				
		13 24+				
		14 *55		22+		
	23 34+	24 16-		25 39	26 20+	
		45 8				
	28 12-	29 1-		30 40	31 28+	
	38 44-	39 23-		40 41+	41 19½	
☽ 23.	23 47	24 26	22 25 5+ 27 17+ 0 11 44½ 4 59 54 5 4 1-	27 56+	28 36- 13 2-	☉ 1st L. ☉ 2d L. Venus. 1 ^h 59 ^m 4 ^s ,62 mean time. Capella. Rigel.
	58 4+	58 59		0 49½		
	2 43-	3 21½		4 40-	5 18+	

In FEBRUARY MDCCCLVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
D 23.	10 37+	6 18+ 11 21	5 6 57½ 12 5 13 32 43 10-	43 49-	44 27½	τ Orionis. β Tauri. 8 Leporis. α Orionis.
27.	Cloudy		22 40 21- 42 31½	43 10+:	43 49+	☉ 1st L. ☉ 2d L.
28.	42 50	29	22 44 8+ 46 19-	58	37-	☉ 1st L. ☉ 2d L.
D 1 March	At 3 ^h , &c. I wound up the Clock.					
D 1.	14 4+	14 48	7 15 32+ 16 2- 17 37+ 20 25 22 17- 23 55 24 37+ 27 56+ 31 7- 31 46½			1 b } Geminorum. 2 b } o Canis majoris. Castor. v } 70 } Geminorum. o } Procyon. x Geminorum. Pollux.
3.	3 0- 42 9½	38½ 42 48- 58 48+	5 0 11½ 4 18- 12 22 13 42- 43 27- 48 58+ 50 47 51 51- 53 34+ 55 8- 56 36- 59 28½ 6 1 38 9 41- 12 26- 14 41- 24 23½ 25 39 27 27 29 41- 30 24 35 53-	4 57- Clouds 44 6- Cloudy 10 23	5 35½ 44 45- 11 4½	Capella. Rigel. β Tauri. n } Orionis. a } 2 Monocerotis. Propus. 3 Monocerotis. 66 } Orionis. v } 0 Leporis. 1 f Orionis. n } Geminorum. μ } ξ } Canis majoris. λ } 53 } Aurigæ. 54 } 25 } Geminorum. 26 } ε } Syrius.
4.	Cloudy 16 36+	4 29 17 15-	23 Cloudy	5 47	6 25½	☉ 2d L. ☉ 1st L.
8.	19 8 26 53½	19 53½	7 20 39+ 24 9½ 24 52- Cloudy 31 1+	21 25+ 31 45-	22 10½	Castor. 70 } Geminorum. o } Procyon. Pollux.
9.	20 19½ 22 17+ 48 45- 54 0+ 0 27+ 8 30- 12 18 14 48- 23 58- 34 45- 26 55 29 27-	20 58- 22 57½ 58 28+ 43 0½ 49 26 1 9- 9 11½ 15 29- 29 53½ 35 25- 19 55- 27 34- 31 48+	23 21 36+ Cloudy 4 23 37½ 5 0 24- 41 38- 42 12 43 39+ 50 8- 55 20+ 6 1 50+ 9 53½ 13 39- 16 10 25 18 Cloudy 36 5 7 20 41+ 28 13- 31 23+ 32 3+ 33 40½ 8 30 50 32 29+	24 25+ 24 18- 1 19 44 18+ 50 50- 36 45+ 21 27+ 28 51½	25 3½ 24 58- 2 14- 44 57½ 51 31- 37 25½ 22 12+ 29 30-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. 1 x } Orionis. 2 x } a } ☉ 1st L. 6 ^h 37' 3'', 34 mean time. v Orionis. n } Geminorum. μ } β Canis majoris. v } γ } Geminorum. ε } Syrius. Castor. *56- Procyon. x Geminorum. Pollux. g Geminorum. γ } δ } Cancri.

In M A R C H M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
9.	33 55+	34 35-	8 35 14+			2 A <i>Cancr.</i> 36 <i>Lyncis.</i> 1 α <i>Cancr.</i> 2 α <i>Cancr.</i>
12.	42 58- 45 30+	43 37+ 46 9+	8 35 14+ 87 11- 44 17- 46 49+	35 31	Cloudy	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> α <i>Orionis.</i> η } <i>Geminorum.</i> μ } γ } o <i>Canis minoris.</i> <i>Castor.</i> <i>Procyon.</i> x <i>Geminorum.</i> <i>Pollux.</i> g <i>Geminorum.</i> 2 } <i>Navis.</i> 4 } φ } <i>Geminorum.</i> l } ☽ 1st L. 9 ^h 4' 49", 49 mean time. 2 A } <i>Cancr.</i> 1 α } 2 α }
13.	42 29+ 34 52+ 41 22+	43 8+ 35 52+	5 43 47+ 6 36 13 42 42 44 49+ 45 50 46 20+ 46 52+ 58 3+ 59 37+ 7 1 35 5 53- 7 21+ 9 22- 10 24+ 12 22+ 14 22- 15 4- 16 26+ 18 2 20 49+ 22 41+ 24 19+ 25 2- 27 12- 28 21- 29 51+ 31 31 32 11+ 33 48 9 19 35+ 20 36+ 24 44+ 29 57 32 15+ 33 47+ 35 4- 36 8- 37 58+ 39 49+ 40 41- 43 11 45 19+ 46 55- 49 8+ 53 20- 55 50+	44 26 36 53+	45 5 37 33+	α <i>Orionis.</i> <i>Syrus.</i> *32+ c <i>Geminorum.</i> 1 π } 1 o } <i>Canis majoris.</i> 2 π } 3 π } 47 } 49 } η } λ } δ } <i>Geminorum.</i> q } A } i } r } s } 2 b } o <i>Canis minoris.</i> <i>Castor.</i> v } 70 } <i>Geminorum.</i> o } f } <i>Procyon.</i> σ } <i>Geminorum.</i> x } <i>Pollux.</i> g <i>Geminorum.</i> λ } <i>Leonis.</i> ξ } ☽ 1st L. 9 ^h 55' 12", 86 mean time. o } ↓ } 18 } <i>Leonis.</i> 19 } 20 } g } μ } 9 } <i>Sextantis.</i> 10 } v } <i>Leonis.</i> π } 13 <i>Sextantis.</i> η <i>Leonis.</i>

In M A R C H M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
/' ''	/' ''	/' ''	H / ''	/' ''	/' ''	
h 13.			9 56 46 $\frac{1}{2}$			A Leonis.
	28 52+	29 41	57 11 $\frac{1}{2}$			Regulus.
			18 30 30 $\frac{1}{2}$	Cloudy		α Lyrae.
D 15.	42 29+	43 8-	23 43 46 $\frac{1}{2}$			$\odot$ 1st L.
	29		45 55 $\frac{1}{2}$	46 34+	47 13-	$\odot$ 2d L.
		40-	4 23 49		25 9	Aldebaran.
	3 24-		5 0 35	5 20+	2 25+	Capella.
			4 41+		5 59+	Rigel.
			12 46-			β Tauri.
			43 51-	Cloudy		α Orionis.
	34 56-	35 36	6 36 16+	57-	37 36 $\frac{1}{2}$	Syrius.
		20 7	7 20 52 $\frac{1}{2}$	21 38 $\frac{1}{2}$		Castor.
	27 45+	28 24	29 3-			Procyon.
		52-	31 35-			κ Geminorum.
			32 14 $\frac{1}{2}$			Pollux.
	13 19	Cloudy	11			γ 1st L.
	39 27+	40 6 $\frac{1}{2}$	19 40 45+		42 3	α Aquilae.
		34 6+	20 35 0 $\frac{1}{2}$	35 54+		α Cygni.
δ 16.	46 10-	48 $\frac{1}{2}$	23 47 27+			$\odot$ 1st L.
			49 36	16-	50 53 $\frac{1}{2}$	$\odot$ 2d L.
		23 10 $\frac{1}{2}$	4 23 51-	24 31-	25 11-	Aldebaran.
	58 47-	59 41+	5 0 37-	1 32	2 27	Capella.
	3 25+	4 4	4 43+	5 22 $\frac{1}{2}$	6 1+	Rigel.
	34 58-	35 38-	6 36 18+	36 58 $\frac{1}{2}$	37	Syrius.
	11 13+	11 53-	12 12 32 $\frac{1}{2}$	13 12+	Cloudy	γ 2d L. 12 ^h 30' 40'', 33 mean time.
	20 $\frac{1}{2}$	40 8+	19 40 47+	41 26+	42 5	α Aquilae.
ϵ 17.	49 50	50 29-	23 51 8-			$\odot$ 1st L.
			53 16 $\frac{1}{2}$	53 55+	54 33 $\frac{1}{2}$	$\odot$ 2d L.
	54 0+	54 40-	1 55 19 $\frac{1}{2}$	55 59	56 38+	Venus's Cent. 2 ^h 13' 6'', 48 mean time.
ζ 18.	Cloudy	54 9+	23 54 48+			$\odot$ 1st L.
			56 57-	57 35 $\frac{1}{2}$	58 14	$\odot$ 2d L.
	58 50 $\frac{1}{2}$	59 45+	5 0 41-	1 36+	2 31-	Capella.
	42 39-	43 17+	43 56+	35 $\frac{1}{2}$	45 14-	α Orionis.
η 19.	29 4	29 53-	18 30 42+	31 32-	32 21-	α Lyrae.
	39 36	40 15-	19 40 54-	Cloudy		α Aquilae.
h 20.	0 51+	1 30-	0 2 8 $\frac{1}{2}$			$\odot$ 1st L.
			4 17+	Cloudy		$\odot$ 2d L.
	22 39-	23 18 $\frac{1}{2}$	4 23 58+	24 39-	25 19-	Aldebaran.
	58 54+	59 50-	5 0 45-	1 40+	2	Capella.
	3 33+	4 12-	4 51+	5 30+	Cloudy	Rigel.
	11 28	12 12	12 55+	13 40-	14 23	β Tauri.
	42 43-	Clouds	44 0 $\frac{1}{2}$	44 40-	45 18	α Orionis.
	19 31	20 17-	7 21 2+			Castor.
		22 11-	22 54 $\frac{1}{2}$			ν
			24 32 $\frac{1}{2}$			70 } Geminorum.
			25 15-			o }
	26 4	26 44+	27 25-			f }
			28 34-			Procyon.
			30 5-			σ }
		31 2-	31 44+			κ } Geminorum.
			32 24+			Pollux.
			34 1 $\frac{1}{2}$			g Geminorum.
			35 44+			i }
			36 4			τ } Navis.
			40 35-			ϕ }
			43 27			l } Geminorum.
			45 10+			i }
			48 11+			i w }
			50 33-			6 }
			51 28-			7 }
			53 52 $\frac{1}{2}$			i μ }
	56 3+		57 30-			i $\downarrow$ }
			57 46+			2 $\downarrow$ }
		59 34	8 0 15-			ζ } Cancr.
	4 1+	4 40-	5 19			β }
		7 20	8 3-			λ }
	10 4-		11 25			i d }
			12 36 $\frac{1}{2}$			21 }
			14 3-			2 d }
			15 16+			27 }
			16 10-			2 v }

In M A R C H M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
20.		18 23+ 19 53-	8 17 2 19 6- 20 36- 21 25+ 23 20- 25 54 $\frac{1}{2}$ 26 54+ 31 11+ 32 55- 34 8+ 35 35 $\frac{1}{2}$ 39 27 $\frac{1}{2}$ 44 38- 45 40+ 45 59 $\frac{1}{2}$			29 } 3 v } 4 v } 34 } 35 } <i>Cancr.</i> 1 c } 2 c } 7 } 8 } 10 <i>Hydræ.</i> 2 A } 54 } 1 a } <i>Cancr.</i> 1 o } 2 o } 2 a } <i>Scorpii.</i> 2 u } 45 } <i>Serpentis.</i> 46 } v <i>Scorpii.</i> 2d L. 16 ^h 8' 20", 20 mean time. ↓ } g } <i>Ophiuchi.</i> x } Antares. 22 <i>Scorpii.</i> φ } <i>Ophiuchi.</i> ω } α <i>Lyræ.</i>
22.	8 11 $\frac{1}{2}$ 22 43-	8 50: 23 23-	0 9 28+ 11 37+ Cloudy	very Windy 12 16-	12 54 $\frac{1}{2}$	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i>
23.		28 1+	7			<i>Procyon.</i>
24.	35 14	35 54+	6 36 34 $\frac{1}{2}$ 7 28 42+ 31 53- 32 33-	37 15-	29 55 59+	<i>Syrius.</i> <i>Procyon.</i> x <i>Geminorum.</i> <i>Pollux.</i>
26.	27 29-	20 29- 28 7+	7 21 15- 28 46+ 31 57- 32 36 $\frac{1}{2}$	22 1- 29 25	22 46 30 4-	<i>Castor.</i> <i>Procyon.</i> x <i>Geminorum.</i> <i>Pollux.</i>
30.			6 36 46			<i>Syrius.</i>
1 April	I wound up the Clock, and put it back two minutes.					
2.		54 20+	4 59 10+ 8 43 4 44 6- 44 25- 45 36+ 55 0- 59 24			<i>Capella.</i> 1 a } 1 o } 2 o } <i>Cancr.</i> 2 a } x } π }
6.	1 13-	1 51+	1 2 31- 4 40- 9 55 59-	5 18+ 56 39-	5 57 $\frac{1}{2}$ Cloudy	☉ 1st L. ☉ 2d L. <i>Regulus.</i>
9.	28 27 $\frac{1}{2}$ 44 31 57 6	29 9 30 49+ 42 38 45 11- 57 47	8 29 51- 31 30+ 34 33 43 18- 45 50 $\frac{1}{2}$ 58 28 9 16 19	59 9 then Cloudy	0 19 $\frac{1}{2}$	7 } <i>Cancr.</i> 8 } ε <i>Hydræ.</i> 1 a } <i>Cancr.</i> 2 a } ☉ 1st L. 7 ^h 43' 57", 71 mean time. α <i>Hydræ.</i>
10.	18 13 25 58 29 38+ 42 1-	18 58+ 26 37- 30 22- 42 40+	7 19 44 27 16- 31 6- 8 43 20+ 44 22- 44 41 45 52+ 9 11 9 12 46+ 16 7 $\frac{1}{2}$	20 30 27 54 $\frac{1}{2}$ 31 50	21 15+ 28 33- 32 33+	<i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> 1 a } 1 o } <i>Cancr.</i> 2 o } 2 a } x <i>Leonis.</i> h <i>Ursæ majoris.</i> ω <i>Leonis.</i>

In A P R I L M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
h 10.			9 17 9+			θ <i>Ursæ majoris.</i>
			18 31-			λ
			19 37-			h
21 57-	22 36+		23 16+			7
			24 18+			8
27 33+			28 52-			o
		30 30+	31 10 $\frac{1}{2}$			↓
		32 0+	32 43-			ε
			33 58 $\frac{1}{2}$			18 } <i>Leonis.</i>
			35 3			19
		36 12	36 54-			20
			38 33+			23
			39 36-			μ
			45 50-			v
			48 4-			π
50 46+	51 26 $\frac{1}{2}$	47 23+	52 7+	52 47 $\frac{1}{2}$	53 27 $\frac{1}{2}$	δ 1st L. 8 ^h 33' 30'', 21 mean time.
54 48-	55 27+		56 7-	56 46 $\frac{1}{2}$	Cloudy	Regulus.
						ζ <i>Leonis.</i>
38 21-	38 59 $\frac{1}{2}$		10 3 50+			α <i>Aquilæ.</i>
32 5+	32 59+		19 39 38+	40 17	40 56-	α <i>Cygni.</i>
			20 33 53-	34 47+	35 41-	
⊙ 11.	19 40 $\frac{1}{2}$	20 0 $\frac{1}{2}$	1 20 58 $\frac{1}{2}$			⊙ 1st L. 19 $\frac{1}{2}$
			23 8-			⊙ 2d L.
33 50-	34 29 $\frac{1}{2}$		6 35 10	47	24 26	Syrus.
	19 0+		7 19 46+	35 50+	36 30+	Castor.
			27 18-	Clouds		Procyon.
		30 24-	31 8		32 35+	Pollux.
		55 29+	9 56 9-			Regulus.
2 28-	3 10-		10 3 52+			ζ
5 54	6 35+		7 17-			γ } <i>Leonis.</i>
	8 49-		9 29+			42 }
			11 1+			43 } <i>Sextantis.</i>
14 14-	14 53-		11 54+			25 }
19 26-	20 5+		15 32			45 } <i>Leonis.</i>
			20 44+			48 }
			22 51-			50 } <i>Sextantis.</i>
			26 35+			34 }
			30 49-			36 } <i>Leonis.</i>
		32 44-	33 21 $\frac{1}{2}$:			38 } <i>Sextantis.</i>
			34 16+			K <i>Leonis.</i>
			35 25			38 <i>Sextantis.</i>
			37 12+			l <i>Leonis.</i>
44 58-	45 37+		46 17 $\frac{1}{2}$		47 37+	δ 1st L. 9 ^h 23' 33'', 39 mean time.
⊙ 12.	Cloudy	24 1+	1 24 41			⊙ 1st L.
			26 50+			⊙ 2d L.
41 29-	42 7+		5 42 46+	27 29 $\frac{1}{2}$	Cloudy	α <i>Orionis.</i>
33 52-	34 31+		6 35 12-	43 25+	44 4	Syrus.
			11 26 42 $\frac{1}{2}$	35 52+	36 32	ω <i>Virginis.</i>
36 6	36 46		37 26	Cloudy		β <i>Leonis.</i>
39 59+	40 39-		41 18 $\frac{1}{2}$	41 58+	42 37 $\frac{1}{2}$	δ 1st L. 10 ^h 14' 27'', 38 mean time.
38 25	39 4-		19 39 42 $\frac{1}{2}$	40 22-	41 0+	α <i>Aquilæ.</i>
	33 2+		20 33 57	34 51 $\frac{1}{2}$	35 45-	α <i>Cygni.</i>
δ 13.	57 12-	57 50+	11 58 29+			s } <i>Virginis.</i>
			12 8 18+			n }
			15 37+			α }
		17 23-	18 6-			18 } <i>Comæ Berenices.</i>
			19 40 $\frac{1}{2}$			g }
			22 5+			q }
			25 7-			f } <i>Virginis.</i>
26 15 $\frac{1}{2}$	26 54		27 33+			χ }
28 54-	32+		30 11+			γ }
36 14+	36 54-		37 34-	13 $\frac{1}{2}$	38 53-	δ 1st L. 11 ^h 6' 35'', 48 mean time.
41 16+	41 55		42 34+			↓ } <i>Virginis.</i>
	43 33		44 12-			δ }
16	47 54 $\frac{1}{2}$		48 33+		49 51-	Jupiter. 11 ^h 17' 33'', 13.
54 43+			56 1 $\frac{1}{2}$			g }
			58 13			θ }
			13 2 52+			56 } <i>Virginis.</i>
		7 47-	8 26-			62 }
11 57-	12 35 $\frac{1}{2}$		13 15-	54+	14 33+	Spica <i>Virginis.</i>
38 27	39 6-		19 39 45-	40 24-	41 52 $\frac{1}{2}$	α <i>Aquilæ.</i>
32 11+	33 5+		20 34 59	34 53+	35 47-	α <i>Cygni.</i>
⊙ 14.	30 48-	31 26 $\frac{1}{2}$	1 32 6-			⊙ 1st L.

In A P R I L M D C C L V I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
8 14.	56- 18 21 26 6+ 29 46+	34 35+ 19 6+ 30 30 33 26+ 36 39 43 24+ 45 45+ 51 22+ 52 40+ I 38- 6 39- 13 32+ 17 28+ 24 5- 32 57- II 59- 34 10+	I 34 16 6 35 16 7 19 52+ 27 24- 31 14- 10 3 10+ 22 57+ 30 55- 34 8 35 31 37 18+ 38 30+ 40 5- 42 29- 44 3 46 37+ 48 51+ 52 1+ 53 19+ II 2 19- 5 38- 7 18- 9 27- 12 6- 14 12- 16 17+ 18 45+ 22 46½ 25 22- 26 46+ 29 43½ 33 36 34 13- 36 16½ 37 30 38 53+ 13 13 17 35 30+ 37 49-	34 55+ 35 56+ 28 3- 13 56+ 38 29-	35 34½ 36 36+ 28 41 14 35+ 39 8½	☉ 2d L. Sirius. Castor. Procyon. Pollux. λ Ursa majoris. 48 Leonis. 34 Sextantis. m Leonis. 38 Sextantis. l Leonis. v } 2b } Hydra et Crateris. 3b } 55 Leonis. 47 Ursa majoris. d } g } x } θ } 75 } 76 } Leonis. σ } i } 80 } τ } e } 89 } v } ω Virginis. 62 Ursa majoris. 1 ξ } v } Virginis. 2 ξ } β Leonis. β Virginis. Spica Virginis. ☽ 1st L. } Cent. 12 ^h 1' 33" 73 mean time. ☽ 2d L. }
8 21.	56 59- 57 38-	57 38- 58 17+	I 58 17+ 6 0 28 7 27 37+	I 7½ 36 10 Cloudy	I 47-	☉ 1st L. ☉ 2d L. Sirius. Procyon.
24 22.	0 14+ 26 22 30 2 38 45- 32 30-	I 24 27 0½ 30 45+ 39 23½ 33 23 45 4-	2 2 3½ 4 14+ 7 27 39+ 31 29+ 10 37 34 40 46- 42 30- 19 40 2+ 20 34 17+ 21 45 44+	4 54 28 18 Cloudy 42- 35 11+ 46 25	5 33- 28 57- 20+ 36 5 47 5½	☉ 1st L. ☉ 2d L. Procyon. Pollux. l } 46 } Leonis min. 47 } α Aquilæ. α Cygni. ☽ 2d L. 19 ^h 37' 34" 79 mean time.
8 23.	37 15	Cloudy	22			☽ 2d L.
h 24.		Cloudy	2 11 48 6 35 36- 19 40 7- 20 34 21+	12 28 40 46- 35 15	Cloudy 24½	☉ 2d L. Sirius. α Aquilæ. α Cygni.
○ 25.	12 45½		2 13 25 15 36	16 16	16 56-	☉ 1st L. ☉ 2d L.
δ 27.	19 42+ 55 21+ 32 40-	20 22 56 1- 33 33+	2 21 2+ 23 13 6 35 42 9 56 40½ 19 40 13 20 34 27½	Cloudy 57 20 Cloudy 37 17+		☉ 1st L. ☉ 2d L. Sirius. Regulus. α Aquilæ. α Cygni.
8 28.	23 31 42 0- 26 33+	24 11 42 38½ 27 12-	2 24 51 5 43 17½ 7 27 51-	Cloudy 56+ 28 30-	29 8+	☉ 1st L. α Orionis. Procyon.
24 29.	15+	27 14- 30 58½	7 27 52½ 31 43-	32 27	29 10 33 10½	Procyon. Pollux.

In APRIL MDCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
24 29.	55 25- 3 2½ 6 29+	56 4+ 7 10½ 20 40+	9 56 44- 10 4 27½ 7 52- 15 41+ 21 19½ 26 18+ 37 48- 49 28½ 50 39+ 52 30½ 53 48½ 55 50½ II 2 48- 4 28- 6 7- 7 47- 9 56- 12 34½ 14 40½ 15 47+ 16 46+ 19 14+ 20 31+ 23 16- 25 51-: 27 15+ 19 40 16+ 20 34 31:	57 23½	58 3-	Regulus. ζ { Leonis. γ { μ Hydra. ρ { 37 { l { c { b { g { x { 65 { θ { n { 75 { Leonis min. 76 { σ { i { 80 { 83 { τ { e { 88 { 89 { v { ω Virginis. α Aquilæ. α Cygni.
25 30.		56 6 33 38+	9 56 46 10 7 54- 15 43+ 21 21 19 40 18½ 20 34 33-	57 25+ 40 57 35 27+	58 5- 41 36 36 20+	Regulus. γ Leonis. μ Hydra. ρ Leonis. α Aquilæ. α Cygni.
26 1 May.	I wound up the Clock, and put it back two minutes.					
27 3.	53 32 4 36+ 40 26-	54 11+ 5 17+ 35 15+ 38 26- 46 48½ 59 54- 3 35½ 20 44 41 23-	9 54 51- 10 2 34 5 59- 19 27-: 32 58+ 35 55- 39 20½ 41 51+ 47 27+ 48 46+ 50 32½ 51 55- 53 58- 55 21- II 0 36 0 55 2 35 4 14- 5 15½ 6 40+ 8 3- 10 42 12 48- 13 55- 14 53+ 17 21½ 18 38½ 21 21 23 58- 25 22½ 32 12+ 34 53- 36 6½ 37 30- 42 2 46 57+ 47 52½	55 30+ 6 40+ 20 6-	56 10- 20 45-	Regulus. ζ { γ { Leonis. ρ { K { l { ω Ursa majoris. 54 { d { b { Leonis. g { x { 65 { ↓ Ursa majoris. δ { θ { Leonis. n { 75 { 55 Ursa majoris. δ Hydra et Crateris. σ { i { 80 { 83 { τ { Leonis. e { 88 { 89 { v { ω { 1 ξ Virginis. 2 ξ { β Leonis. β { A { Virginis. b { π {

In M A Y MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
3.	50 59- 53 59½	51 38-	11 52 17 55 23+ 57 8- 12 0 30½ 2 43 5 41+ 6 56+ 7 28- 9 43+ 11 33+ 12 57- 13 41- 14 16 16 12+ 28 11- 28 49+ 32 48+ 39 8 42 50 13 11 53 14 4 3+ 5 28+:			o <i>Virginis.</i> α <i>Corvi.</i> s } <i>Virginis.</i> t } <i>Virginis.</i> γ <i>Corvi.</i> n } <i>Virginis.</i> η } <i>Virginis.</i> c } <i>Virginis.</i> 12 } <i>Virginis.</i> f } <i>Virginis.</i> b } <i>Comæ Berenices.</i> a } <i>Virginis.</i> d } <i>Virginis.</i> γ } <i>Virginis.</i> 2 d } <i>Virginis.</i> Jupiter. 9 ^h 50' 52",84 mean time. δ } <i>Virginis.</i> Spica. } <i>Virginis.</i> Arcturus. λ <i>Virginis.</i>
At 14 ^h 30' 5" by this Clock with the six Foot Reflector the first Satellite of Jupiter emerged: Apparent Time 11 ^h 45' 2"						
4.			2 48 0+:	Cloudy 33 34+	34 28	☉ 2d L. α <i>Cygni.</i>
5.	48 28	33 15	2 49 49 52 1 6 33 55½ 36 10: 37 33½	52 42- 34 36- Cloudy 38 12-	53 22- Cloudy	☉ 1st L. ☉ 2d L. Sirius. β <i>Leonis.</i> β <i>Virginis.</i>
7.	27 7-	27 47+	9 28 27½ 54 57+	55 37½	29 49 56 17½	☉ 1st L. 6 ^h 24' 52",91 mean time. Regulus.
8.		0 50 57 24 20 17+ 35 35	3 1 31- 3 44 4 58 20+ 10 20 57½ 11 36 15½ 37 39+	Very Windy 4 24½ 59 15: 21 37½	5 4½ Cloudy	☉ 1st L. ☉ 2d L. Capella. ☉ 1st L. 7 ^h 13' 15",54 mean time. β <i>Leonis.</i> β <i>Virginis.</i>
10.	53 45+	Cloudy 54 25- 6 31+ 7 40	3 11 35 9 55 4½ 12 7 10½ 8 20 19 38 37+	12 16- 55 44+ 9 0- 39 16+	12 56 56 23½ 39: 39 55	☉ 2d L. Regulus. η <i>Virginis.</i> ☉ 1st L. 8 ^h 52' 24",94 mean time. α <i>Aquilæ.</i>
11.	11 57 10 51-	12 37 41 3- 11 29+	3 13 18 15 32- 5 41 42- 13 4 24+ 7 20- 12 8½ 13 38+ 16 16- 19 55+	16 13 21- 5 4- 5 43½	53: 59+ 5 43½	☉ 1st L. ☉ 2d L. α <i>Orionis.</i> ☉ 1st L. 9 ^h 44' 22",29 mean time. 62 Spica. } <i>Virginis.</i> 70 h
12.		2 13	14 2 53+	34-	Cloudy	☉ 1st L. 10 ^h 38' 44",31 mean time.
13.	53 40 55 53-	54 19	11 36 25- 37 48 12 49 51+ 54 58 57 10- 58 56½ 13 0 17- 1 49 4 31½ 5 32+ 7 22+ 12 12- 13 41½ 14 18+ 14 4 22 5 47-			β <i>Leonis.</i> β } ε } g } <i>Virginis.</i> θ } 53 } 54 } 56 } 58 } γ <i>Hydræ contin.</i> 62 } Spica. } <i>Virginis.</i> 69 } Arcturus. λ <i>Virginis.</i>
At 14 ^h 18' 15" by this Clock with the six Foot Reflector the second Satellite of Jupiter emerged: Apparent Time 10 ^h 54' 8"						

In M A Y M DCC LVI.

DAY of the MONTH.		1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
		" "	" "	H " "	" "	" "	
4	13.	34 30+	35 9½	14 35 49 37 15½ 41 0½ 43 24- 44 52 45 34- 47 48+ 49 41+ 52 54- 58 12- 59 18			μ } α } 1 ξ } <i>Librae.</i> 2 ξ } 17 } 18 } δ } γ } 1 ν } 1 ι } <i>Scorpii.</i> 2 ι } D 1st L. 11 ^h 35' 53",43 mean time.
h	15.	27 46-	28 26½	3 29 7½ 31 22- 7 30 12- 10 6 20½ 12 6 3- 7 18+ 36 9- 43 12 46 59- 47 56- 49 54½ 51 14- 55 1½ 57 13+ 58 59½ 13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-	Fluttered very much 32 3- 31 0- 31 39	32 43+ 31 39	⊙ 1st L. ⊙ 2d L. <i>Pollux.</i> γ <i>Leonis.</i> η } <i>Virginis.</i> η } <i>Jupiter.</i> 9 ^h 0' 21",37 mean time. δ } k } 46 } ε } 48 } <i>Virginis.</i> g } θ } 53 } 54 } 55 } <i>Spica.</i> ι } 69 } 39 } <i>Ophiuchi.</i> ρ } 43 } 33 <i>Scorpii.</i> β <i>Ophiuchi.</i> D 2d L. 13 ^h 39' 44",83 mean time. μ <i>Ophiuchi.</i>
14	54	23 11+	15 36	24 29-	17 1-	17 42½	
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
14	54	23 11+	15 36	24 29-	17 1-	17 42½	
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 36-	5 36+	13 0 19½: 1 3+ 12 15 13 45+ 14 22- 17 3 3- 6 18- 7 55+ 10 6- 11 23+ 16 18½ 24 29-			
10	57-	11 3					

In M A Y MDCCCLVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
16.	55 57- 10 58+	56 36- 11 37+	12 57 15- 13 12 16½ 13 46+ 20 3½ 22 11½ 24 44+ 28 44½ 31 17- 32 24- 34 6½ 35 28+ 36 34+ 42 6+ 43 57½ 49 9+ 53 19+ 53 45 56 57 59 30- 59 49+ 14 3 10- 4 27 5 51½ 14 32 15 34 21 13 23 58 29 6- 30 9- 32 28- 33 50½ 35 54- 37 20+ 43 29- 44 57 45 39- 47 53- 49 46- 52 58+ 53 9½ 58 17- 15 3 49+ 7 1+ 7 20+ 9 22+ 14 27+ 15 44+ 16 52- 19 5+ 21 50- 24 49+ 27 51- 30 18+ 32 25: 37 41- 39 8- 44 4- 45 52- 51 12+ 52 30- 53 3+ 57 46 16 0 18- 14 24+ 17 7½ 17 38- 20 39 22 20- 28 36- 23 2+ 29 25+ 23 44 30 15- 17. 35 43½ 36 24+ 3 37 5½ 39 20+ 40 1+ 40 42-	27 27- 28 5+ 30 37- 41 28- 48 31- 55 18 3 45½ 13- 35 14 24 18- 46 39+ 47 14- 49 3+ 20 30+ 21 10- 31 41½ 43 21- 49 51 50 31+ 59 38+ 13 41+ 12 59- 19 12+ 20 55-	12 57 15- 13 12 16½ 13 46+ 20 3½ 22 11½ 24 44+ 28 44½ 31 17- 32 24- 34 6½ 35 28+ 36 34+ 42 6+ 43 57½ 49 9+ 53 19+ 53 45 56 57 59 30- 59 49+ 14 3 10- 4 27 5 51½ 14 32 15 34 21 13 23 58 29 6- 30 9- 32 28- 33 50½ 35 54- 37 20+ 43 29- 44 57 45 39- 47 53- 49 46- 52 58+ 53 9½ 58 17- 15 3 49+ 7 1+ 7 20+ 9 22+ 14 27+ 15 44+ 16 52- 19 5+ 21 50- 24 49+ 27 51- 30 18+ 32 25: 37 41- 39 8- 44 4- 45 52- 51 12+ 52 30- 53 3+ 57 46 16 0 18- 14 24+ 17 7½ 17 38- 20 39 22 20- 28 36- 23 2+ 29 25+ 23 44 30 15- 17. 35 43½ 36 24+ 3 37 5½ 39 20+ 40 1+ 40 42-	6 Virginis. Spica. h 81 m 83 85 87 88 89 } Virginis. p 92 τ 94 95 96 97 x i Arcturus. λ } Virginis. 104 } φ } Bootis. ρ } σ } 4 Libræ. μ Virginis. 5 Libræ. 109 Virginis. μ α 2 ξ 17 18 δ γ 1 v 2 v 1 i 2 i β } Libræ. 28 1 o 2 o 1 ξ 2 ξ 3 ξ 4 ξ γ 4 i x η γ Coronæ Bor. x Serpentis. λ Libræ. π δ β } 1 ω } 2 ω } v } 17 } Antares. φ } Ophiuchi. ω } τ } 2d L. 14h 41' 37",79 mean time. α Lyrae.
17.	35 43½	36 24+	3 37 5½ 39 20+	40 1+	40 42-	1st L. 2d L.

In M A Y M DCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. II / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
17.	47 4 25 26+	33 36+ 47 46½ 26 8	4 58 36 6 34 17- 48 20 9 55 16- 19 26 50+ 34 36- 38 48+	34 57 55 55+ 27 33- 39 27-	35 37- 49 55- 56 55- 28 15 35 54- 40 6-	Capella. Syrus. Venus. 3 ^h 5' 44",51 mean time. Regulus. D 2d L. 15 ^h 42' 00",45 mean time. γ } Aquilæ. α }
18.	Clouds 56 47-	57 42- 57 42-	3 41 5+ 43 20 58 37	44 1+ 59 33-	44 42	☉ 1st L. ☉ 2d L. Capella.
20.	47 45 56 50+ 1 29+	48 26 57 45 2 8 17½	3 49 7 51 22+ 4 58 41- 2 47+ 5 41 56 11 36 36- 22 21 16+	52 3½ 59 36 26½ 42 35 21 57	52 44 0 31- 43 14- Cloudy	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. β Leonis. D 2d L. 18 ^h 24' 4",97 mean time.
21.	52½	52 28 57 47 33 43+ 12 23+	3 53 9+ 55 24½ 4 58 43- 6 34 23½ 7 30 21+ 23 13 3½	56 5+ 59 38- 35 4- 13 43½	56 46½ 35 44- 14 23	☉ 1st L. ☉ 2d L. Capella. Syrus. Pollux. D 2d L. 19 ^h 11' 45",90 mean time.
22.	33 5+	56 30- 33 45 25 54+ 29 39	3 57 11- 59 27 4 58 45 5 42 0+ 6 34 25 7 26 33 30 23½ 11 36 40 38 3+	0 8 59 40- 35 6- 27 12- 31 7:	0 49 Clouds 43 18- 35 46- 27 50½	☉ 1st L. ☉ 2d L. Capella. α Orionis. Syrus. Procyon. Pollux. β Leonis. β Virginis.
26.	11 15+ 15 22-	11 55- 19 41+	13 12 34- 16 41½ 17 55+ 20 20+ 22 28		13 52-	Spica. 70 11 h ζ } Virginis.
At 16 ^h 14' 40" by this Clock with the six Foot Reflector the first Satellite of Jupiter immersed: Apparent Time 11 ^h 58' 3",3						
27.		11 56+ 13 12 36- 16 43+ 17 57- 19 32- 20 22+ 22 30-	13 12 36- 16 43+ 17 57- 19 32- 20 22+ 22 30-	13 15- 14 54	Spica. 70 11 21 h ζ } Virginis.	
29.	24 20- 54 17+ 52 24- 58 54-	25 1 58 1+ 54 57- 53 3- 59 33-	4 25 42½ 27 59 58 57 9 55 36+ 13 53 42- 56 7½ 14 0 12 2 57+ 3 32+ 4 49½ 6 14-	28 40½ 59 52+	29 22-	☉ 1st L. ☉ 2d L. Capella. Regulus. 94 95 x } Virginis. 6" } Arcturus. λ Virginis.
30.	28 25½ 33 19+	29 7- 58 3- 33 59	4 29 49- 32 5½ 58 58+ 34 39+	32 47- 59 54- 35 20-	33 28 0 49- 59½	☉ 1st L. ☉ 2d L. Capella. Hazy. Syrus.
31.	32 32+ 33 20½ 58 57	33 13½ 58 5- 34 0+ 59 36 2 57-	4 33 55 36 12½ 59 0+ 6 34 41 35 46: 9 55 40- 14 0 15+ 2 1- 3 36- 4 53-	36 54 59 56- 35 21+ 36 27½: 56 19+	37 35+ 37 9-: 56 59- }	☉ 1st L. ☉ 2d L. Capella. Syrus. D 1st L. very faint. 1 ^h 57' 36",37 mean time. Regulus. x } Virginis. 6 } 1 } Arcturus.

In JUNE MDCCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
1 JUNE.	I wound up the Clock.					
1.	36 39 57 11½	37 21- 58 6½	4 38 2½ 40 19 59 2-	41 1- 59 57+ 3 48	41 42½ 0 52	☉ 1st L. ☉ 2d L. Capella. Rigel. very faint. Syrius. ☽ 1st L. 2 ^h 45' 32",84 mean time. Venus's Center 3 ^h 14' 28",31 mean time. Arcturus.
2.	3 32+	4 12 56 6+	14 4 54+		6 17-	Venus. 3 ^h 15' 0",49 mean time. ☽ 1st L. 4 ^h 20' 56",07 mean time. Regulus. Arcturus.
3.	3 54+ 54 26 3 36	4 30 Cloudy 4 17+	8 5 18+ 9 11 25- 55 45+ 14 4 58+	56 25- 5 40-	12 46 57 4+ 6 20½	Spica. ☉ 1st L. ☉ 2d L. Syrius. ☽ 1st L. 6 ^h 43' 39",32 mean time. Arcturus.
4.	11 32-	12 11-	13 12 50-	13 29-	14 8-	Spica.
5.	53 12 53 1+ 3 40-	53 54- 53 41: 4 21-	4 54 36- 10 54 21-: 14 5 2-	Cloudy 5 43	55 40 6 24+	☉ 1st L. ☉ 2d L. Syrius. ☽ 1st L. 5 ^h 55' 39",63 mean time. Arcturus.
6.		58 2+ 33 32 3 42-	4 58 44 5 1 2- 6 34 52 11 46 27 14 5 4-	Cloudy 35 32+ 47 7- 5 45	36 12½ 47 46 6 26-	☉ 1st L. ☉ 2d L. Syrius. ☽ 1st L. 6 ^h 43' 39",32 mean time. Arcturus.
8.	39+ 34 1- 17+ 33- 55 17+	18½ 40½ 58+ 11+ 56 50+ 51 11½ 26+	13 12 57+ 35 20+ 43 39- 49 50+ 58 23+ 14 0 30+ 3 50+ 5 8-	37- 1- 20+ 29- 9+	15½ 40½ 45 1- 7+	Spica. ☽ 1st L. 8 ^h 24' 18",92 mean time. η Bootis. τ Virginis. α Draconis. * } Virginis. i } Arcturus.
10.		14 42- 3 16½ 13 52 16 17	5 15 24+ 17 41+ 14 38 5+ 15 4 34+ 6 20- 8 5- 10 7½ 15 12+ 17 37- 22 35- 25 1½ 28 36- 31 2+ 35 36½ 39 53-	18 24- 19 5+		☉ 1st L. ☉ 2d L. α } Libræ. β } δ Bootis. 10 } 20 } 13 } Libræ. 33 } 7 } α Coronæ Bor. * } Libræ. η } ☽ 1st L. 10 ^h 15' 59",63 mean time. λ Libræ.
16.	39 5 11 55+ 4 1+ 57 43-	39 47- 34- 42+ 58 37+	5 40 29 42 47 8 55 58 13 13 13+ 14 5 23½ 4 59 33+	43 29 52½ 5- 0 28+	44 10 57 19+ 31½ 46- 1 23	☉ 1st L. ☉ 2d L. Venus. 3 ^h 13' 59",61 mean time. Spica. Arcturus. Capella.
17.	43 16+ 11 57- 4 3 54 8+	43 58+ 12 36 4 44 54 48 58 39+	5 44 40+ 46 58 13 13 15 14 5 25 22 55 28+ 4 59 35	47 40+ 13 54+ 6 6½ 8+	48 22+ 14 33+ 6 47+ 56 48	☉ 1st L. ☉ 2d L. Spica Virginis. Arcturus. ☽ 2d L. 17 ^h 7' 13",59 mean time. Capella.
18.		Cloudy 33 55+ 4 5- 45 38	5 48 51½ 51 10- 6 Cloudy 14 5 27+ 23 46 57	Cloudy 6 8½ 37-	6 49+ 48 16+	☉ 1st L. ☉ 2d L. Syrius. Arcturus. ☽ 2d L. 17 ^h 54' 35",98 mean time.
19.	12 1- 35 3+	12 39+ 4 47+ 35 42+	13 13 19- 14 5 29- 0 36 22 45 12	13 58- 6 10 2-	14 37- 6 51- 37 41+	Spica. Arcturus. ☽ 2d L. 18 ^h 39' 55",38 mean time. Pole • above; faint.
20.	23 17- 58 45	23 56 58 45	1 24 36- 4 59 40+	25 15+ 25 54+		☽ 2d L. 19 ^h 24' 3",45 mean time. Capella.
21.	59 2- 12 4-	59 43+ 12 43	6 1 25+ 3 43+ 13 13 22+	4 25+ 14 1½	7+	☉ 1st L. ☉ 2d L. Spica Virginis.

In J U L Y M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 4.	58 17	59 12— 3 34+	5 0 7+ 4 13½	1 2+ 4 52+	1 57 5 31½	Capella. Rigel.
♂ 5.	58 29½ 0 46½ 13 34— 4 36+	59 11 28+ 14 13+ 5 17½ 15 14— 21 28 24 33—	6 59 53— 7 2 10+ 13 14 53+ 14 5 59— 16 15 57 19 10 22 12— 25 12½	0 35— 52+ 15 33 6 40+ 16 40	1 17— 3 34 16 12½ 7 21 17 22+	☉ 1st L. ☉ 2d L. ♂ 1st L. 6 ^h 16' 54",39 mean time. Arcturus. Antares. ω Ophiuchi. τ Scorpii. ζ Ophiuchi.
♂ 6.	2 38 4 55+ 4 38+ 8 42	3 19½ 5 37+ 9 22+ 52 6—	7 4 1½ 6 18½ 14 6 1— 14 10 2½ 15 52 47— 54 4— 54 37½ 56 42 58 34 58 34+	43½ 43—	5 25 11 22½	☉ 1st L. ☉ 2d L. Arcturus. ♂ 1st L. 7 ^h 7' 56",93 mean time. β } 1 ω } Scorpii. 2 ω } v } x } 6m } Herculis.
♂ 8.			12 17½	Cloudy		☉ 1st L.
♀ 9.	15 2— 12 21— 24 18+	15 43 13 2: 25 0½	7 16 25 Cloudy 17 13 45— 25 41½	19 23+ 14 27—	20 5 15 9—	☉ 1st L. ☉ 2d L. ♂ 1st L. 9 ^h 59' 15",30 mean time. 2 Sagittarii.
♂ 10.	18 57— 27 45+	19 35+ 24 42+ 39 27 55 2 4 29—	16 20 14+ 22 21+ 25 21½ 29 6½ 30 32— 30 59— 34 43+ 35 44½ 37 0— 40 6+ 41 23+ 42 36— 55 41— 58 1+ 17 0 6+ 1 59+ 5 9— 6 38 8 40+	20 40½ 31 8— 1 14— 4— 36 39	21 23— 31 57+ 2 9— 5 43—	λ Ophiuchi. τ Scorpii. ζ Ophiuchi. 24 } 6m } Scorpii. 14 } 16 } Ophiuchi. 17 &c. } 46 } k } 48 } Herculis. 49 } 60 } η Ophiuchi. 62 Herculis. A Ophiuchi. α } δ } Herculis. θ Ophiuchi. λ Sagittarii. ♂ 1st L. 11 ^h 1' 19",61 mean time. α Lyrae. Capella. Rigel. Syrus.
☉ 11.	23 15 32 41 12 45 16 24 50+ 32 23+ 39 14— 22 15— 3 8½ 40+	26 13 41 58— 46 4— 25 32 33 4½ 35 39½ 39 52+ 22 54½ 59 25 3 47+ 35 20½	7 24 38½ 26 54½ 18 30 20+ 42 44 46 52 47 38 49 34+ 51 28+ 19 26 15½ 28 42 33 46— 36 19— 40 32— 42 31— 43 35½ 45 42+ 4 23 35— 5 0 20+ 4 27— 43 35+ 6 36 1— 7 28 44½	20 27 37— 31 10— 58 29 24½ 41 11— 24 15— 1 15½ 5 6— 44 14½ 36 41—	26 1½ 28 18+ 31 58½ 27 40+ 30 6+ 27 40+ 30 6+ 24 55— 2 10½ 5 44½ 44 53— 37 21—	☉ 1st L. ☉ 2d L. α } β } 1 δ } Lyrae. 2 δ } π } γ } ♂ 1st L. 12 ^h 3' 28",66 mean time. ♂ 2d L. f Sagittarii. γ } α } Aquilæ. ω } β } Sagittarii. α } Aldebaran. Capella. Rigel. α Orionis. Syrus.
♂ 12.	27 21½	28 3—	7 28 44½	26	30 7½	☉ 1st L.

In J U L Y M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
D 12.	37½	30 19	7 31 0½	42½	32 24-	☉ 2d L.
δ 13.	31 27 43 33 2	32 8½ 34 24½ Cloudy 46 6 59 29-	7 32 50 35 6½ 17 49 17+ 21 34 23½ Cloudy 5 0 24+	33 32 48 35 5: 1 19½	34 13 36 29½ 35 45+ 2 14-	☉ 1st L. ☉ 2d L. ζ <i>Serpentis</i> . ☉ 2d L. 14 ^h 3' 20'', 32 mean time. 17 <i>Pegasi</i> . <i>Capella</i> .
δ 14.	35 32 37 48 58 36- 3 14 42 23+ 34 46-	36 13½ 38 29 52 20+ 59 30½ 3 53- 43 2+ 35 25½	7 36 55- Cloudy 15 53 2-: 5 0 26 4 32 43 41+ 6 36 6+	37 37 42+ 1 22- 5 11- 44 20 36 46+	38 18: 2 16 37 26½	☉ 1st L. ☉ 2d L. β <i>Scorpii</i> . <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> . <i>Syrus</i> .
4 15.	39 37- 3 58+ 21 13+	40 18 21 56+	7 41 0- 43 16- 14 6 17+ 16 58 10+ 17 5 18- 6 47+ 8 10- 11 2- 13 16- 18 19- 22 39 25 23+	6 57½ 58½	7 38+ 39+	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . η <i>Ophiuchi</i> . α { <i>Herculis</i> . δ { <i>Ophiuchi</i> . ρ <i>Ophiuchi</i> . e <i>Herculis</i> . B { <i>Ophiuchi</i> . e { <i>Ophiuchi</i> . λ <i>Herculis</i> . α <i>Ophiuchi</i> .
h 17.			15	34 44½		α <i>Serpentis</i> .
☉ 18.	51 48-	52 29½	7 53 10½ 55 26+	56 7½	49-	☉ 1st L. ☉ 2d L.
D 19.	6½ 5 2+ 14 57+ 22 32 28 57	56 32 47½ 6 40+ 15 40- 23 11- 29 45½ 31 35-	7 57 13½ 59 29- 16 3 28 7 19+ 13 3+ 16 22½ 18 23 50- 30 35- 32 18+	0 55 10+ 17 6-	58 36 51	☉ 1st L. ☉ 2d L. δ { <i>Ophiuchi</i> . ε { <i>Ophiuchi</i> . γ <i>Herculis</i> . <i>Antares</i> . m <i>Aquilæ</i> . α <i>Lyræ</i> . φ <i>Sagittarii</i> .
δ 20.	59 53½: 5 4+ 22 32-	0 34½ 5 45+ 23 11½	8 1 16 3 31 14 6 27- 4 23 52-	4 12½ 7 8- 24 3:	53½ 7 49- 25 12-	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . <i>Aldebaran</i> .
δ 21.	15 1½ 59 46- 17 40½	12 26 15 44 0 27+ 10 1- 12 6 14 10 18 18½ 20 15 23 15- 28 14	16 13 7+ 16 27- 18 1 9- 2 38- 2 40 7 20½: 10 39½ 12 47½ 14 53+ 18 57½ 20 57: 23 54 25 38½ 30 39+	17 10- 17 52+	17 52+	γ <i>Herculis</i> . <i>Antares</i> . 1 μ { 2 μ { <i>Sagittarii</i> . 16 { δ { η <i>Serpentis</i> . 21 { <i>Sagittarii</i> . λ { c <i>Serpentis</i> . 24 <i>Sagittarii</i> . m { <i>Aquilæ</i> . 6 { 26 <i>Sagittarii</i> . α <i>Lyræ</i> .
4 22.	58 51½: 35 1+	59 46+ 51	5 0 42- 6 36 21½	Cloudy		<i>Capella</i> . <i>Syrus</i> .
δ 23.	11 57 35 3½	12 38	8 13 19 15 49- 6 36 24-	16 15	16 56-	☉ 1st L. ☉ 2d L. <i>Syrus</i> .
h 24.	5 12+	5 53½	14 6 35-	7 16-	7 57-	<i>Arcturus</i> .
☉ 25.	19 57 29 9-	20 38- 22 52+ 29 57+ 36 35-	8 21 19- Cloudy 18 30 47½ 37 16½ 38 29 38 31-	22 0 24 14½ 31 36+	24 55+ 32 26-	☉ 1st L. ☉ 2d L. α <i>Lyræ</i> . 110 <i>Herculis</i> . ζ { <i>Lyræ</i> . 7 {
D 26.	23 56+ 26 10+ 42 47+	24 37 51	8 25 18 27 32 5 44 5+	59 28 13 44 44	40- 54- 45 23-	☉ 1st L. ☉ 2d L. α <i>Orionis</i> .

In JULY MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
29.		14 26-	18 15 8 $\frac{1}{2}$ 20 33+ 21 13- 30 55- 32 38+ 19 36 53+ 41 6+ 20 35 22 41 1-			λ } <i>Sagittarii</i> . 25 } α <i>Lyrae</i> . ϕ <i>Sagittarii</i> . γ } <i>Aquila</i> . α } α <i>Cygni</i> . Saturn. 12 ^h 6' 40.59 mean time.
31.	22 54 59 10- 3 48+	0 5- 4 27-	4 24 14 5 1 0+ 5 6- Clouds	24 54 $\frac{1}{2}$ 1 55+ 5 45- 44 54-	25 34+ 2 50 6 24- Clouds	<i>Aldebaran</i> . <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> .
1 Augst.	Mare at 6' 40" the Clock was wound up, and the Pendulum was lengthened two Divisions; this Clock was flopt 2' 20".					
1.	45 17+ 57 0- 1 28- 40 37+	45 58- Cloudy 57 44 $\frac{1}{2}$ 2 7- 41 16-	8 Cloudy 12 57 6- 14 4 30: 4 58 40+ 5 2 46- 41 55-	Cloudy Cloudy 59 35+ 3 25- 42 34-	58 24 $\frac{1}{2}$ 5 52 0 30+ 4 4- 43 12 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 1st L. 4 ^h 14' 28",52 mean time. <i>Arcturus</i> . <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> .
2.	20 34 32 59+	21 14- 33 39	4 21 54 4 58 40+ 6 Cloudy 7 26 27	22 34+ 59 35+ 27 5 $\frac{1}{2}$	23 14 0 30 $\frac{1}{2}$ 44 $\frac{1}{2}$	<i>Aldebaran</i> . <i>Capella</i> . <i>Syrus</i> . <i>Procyon</i> .
3.	53 2- 15- Clouds	42 54 $\frac{1}{2}$ 33 39	8 54 22 $\frac{1}{2}$ 56 35 $\frac{1}{2}$ 14 46 8 $\frac{1}{2}$: 4 21 54 6 Cloudy	3 57 16 46 49- Cloudy	43 56 $\frac{1}{2}$ 47 29	$\odot$ 1st L. $\odot$ 2d L. $\odot$ 1st L. 5 ^h 55' 21",84 mean time. <i>Aldebaran</i> . <i>Syrus</i> .
4.		43 39:: 49 22+ 52 27+ 54 58- 58 27+ 7 22+ 27 1-	15 44 22:: 17 44 52+ 50 7- 53 6+ 55 37- 55 45+ 57 24 $\frac{1}{2}$ 59 8 $\frac{1}{2}$ 18 0 38 0 40+ 8 39 $\frac{1}{2}$ 12 53 16 58- 28 39+	Cloudy		$\odot$ 1st L. very uncertain. 6 ^h 49' 30",25 mean time. β } <i>Sagittarii</i> . γ } ρ } 1 S } <i>Ophiuchi</i> . 2 S } 9 } 1 μ } 2 μ } <i>Sagittarii</i> . 16 } η <i>Serpentis</i> . λ <i>Sagittarii</i> . ϵ <i>Serpentis</i> . α <i>Lyrae</i> .
5.	44 0- 37 33+	41+ 12- 57 44+	16 45 23+ 19 38 51- 4 58 40- 5 41 54+	46 5 $\frac{1}{2}$ 39 30- 59 35- 42 33-	47- 0 30- Cloudy	$\odot$ 1st L. 7 ^h 46' 25",81 mean time. α <i>Aquila</i> . <i>Capella</i> . α <i>Orionis</i> .
6.	4 34	5 14- 55 42-	9 5 54+: 16 50 55 56 22+ 17 4 59- 6 22- 7 1- 8 16 $\frac{1}{2}$ 10 10+ 11 27+ 13 26- 16 31- 22 13- 23 35+ 28 47- 32 11 33 19 35 38- 39 47- 17 48 47 $\frac{1}{2}$ 18 5 21- 7 57-	Cloudy		$\odot$ 1st L. ϵ <i>Herculis</i> . η <i>Ophiuchi</i> . δ <i>Herculis</i> . ρ } <i>Ophiuchi</i> . θ } μ <i>Herculis</i> . 33 <i>Scorpii</i> . β <i>Ophiuchi</i> . 73 & 74 <i>Herculis</i> . ϵ <i>Ophiuchi</i> . 78 <i>Herculis</i> . ξ <i>Serpentis</i> . D <i>Ophiuchi</i> . p <i>Sagittarii</i> . 84 <i>Herculis</i> . γ } <i>Ophiuchi</i> . 63 } $\odot$ 1st L. 8 ^h 45' 44",12 mean time. $\odot$ Center. δ } <i>Sagittarii</i> . ϵ } η <i>Serpentis</i> .

In A U G U S T M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
	" "	" "	H " "	" "	" "	
6.						
15	40	12 10 16 18½	18 10 47+ 12 53- 16 57½ 21 54- 26 56+ 28 39- 30 22 37 27- 40 6- 47 2+ 50 1 51 39+ 55 12+ 19 0 32- 20 51+ 20 53+ 23 50½ 26 42- 28 31- 30 3+ 32 4+ 34 37+ 36 28 38 50+ 41 55- 43 17+ 4 21 53½ 58 39 5 2 45- 41 54:	6-		21 } Sagittarii. λ } c Serpenti. m Aquilæ. 26 Sagittarii. α Lyra. φ } 31 } σ } ζ } Sagittarii. o } τ } π } ↓ } β Cygni. } 6m } 9 Vulpec. & Anf. 1 e } 2 e } Sagittarii. β } f } γ Aquilæ. δ Sagittarii. α Aquilæ. β Sagittarii. β Aquilæ. Aldebaran. Capella. Rigel. α Orionis.
7.						
3	6+	11 15+	9 Cloudy Cloudy 14 4 28+	5 10-	11 4 5 51-	☉ 1st L. ☉ 2d L. Arcturus.
8.						
12	12	12 52-	9 13 32 Cloudy	16 24+ 29 28-	30 16½	☉ 1st L. ☉ 2d L. α } ε } Lyra. 5 } 1v } Sagittarii. 6m } k } Aquilæ. i } o Sagittarii. D 1st L.
27	0-	27 49- 35 23 35 25	18 28 38 36 13+ 36 15+ 39 23+ 40 19- 43 57- 48 36+ 50 0½			
47	19-	47 57½	19 32 4- 34 37- 36 28- 38 50- 40 48+ 43 17- 44 38 47 34 48 40- 51 33+ 51 48½ 54 25+ 58 23- 58 47- 20 0 34+ 2 48+ 4 3+ 4 27 5 14½ 7 4- 7 14+ 9 14+ 13 17- 14 52- 15 50 18 30- 19 33- 21 41+	59 2- 59 26-	59 7½	f Sagittarii. γ Aquilæ. δ Sagittarii. α Aquilæ. ω Sagittarii. β } Aquilæ. φ } c Sagittarii. 14 Vulpeculæ. 64 } Sagittarii. 65 } 2 c Cygni. 1 } Capricorni. ε } 66 Aquilæ. 3 } 1 α } 2 α } Capricorni. σ } ν } β } m Cygni. π } ρ } Capricorni. o } 40 } 1 ω } Cygni. 44 }
9.						
37	32-	38 10½ 42 38-	19 32 4- 34 37- 36 28- 38 50- 40 48+ 43 17- 44 38 47 34 48 40- 51 33+ 51 48½ 54 25+ 58 23- 58 47- 20 0 34+ 2 48+ 4 3+ 4 27 5 14½ 7 4- 7 14+ 9 14+ 13 17- 14 52- 15 50 18 30- 19 33- 21 41+			
46	7-					
11	55+	14 11+				

In A U G U S T M D C C L V I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
D 9.			20 23 36 25 33+ 26 5- 31 56+ 33 5½ 35 26 37 10- 39 25½ 40 55½ 50 26- 52 9- 54 30- 55 31- 56 14-			13 } τ } <i>Capricorni.</i> v } 17 } α <i>Cygni.</i> Saturn. 11 ^h 20' 8", 21 mean time. ω <i>Capricorni.</i> μ <i>Aquarii.</i> 19 } n } <i>Capricorni.</i> θ } 1 x } 3 x } v <i>Aquarii.</i> D 1st L. 11 ^h 44' 47", 50 mean time.
δ 10.	19 47½ 21 59½ 33 18+	20 28- 22 39+ 38 10+ 42 37+ 1 25-	9 21 7½ 23 19+ 19 34 36+ 36 27+ 38 49+ 43 16+ 22 2 5+	0 51 23 59½ 2 46	22 28- 24 39+ 3 26:	⊙ 1st L. ⊙ 2d L. γ <i>Aquilæ.</i> δ <i>Sagittarii.</i> α } <i>Aquilæ.</i> β } D 2d L. very hazy. 12 ^h 42' 37", 85 mean time.
24 12.	33 45+ 33 18 37 31 47 58- 50 59 20 32- 56 48- 1 26-	27 48- 38 40+ 38 57- 38 10+ 47 36½ 51 39 59 59- 6 0+ 21 12 57 43- 2 5- 10 5- 41 14	18 21 51+ 28 37+ 30 21- 35 7½ 39 22½ 40 4 19 34 36- 38 49 23 40 3+ 42 36½ 48 15+ 52 19- 55 46½ 0 38+ 3 6 59- 4 21 52 58 38+ 5 2 44- 10 49- 41 53 34 17½	52 59- 22 32 59 34- 3 23- 42 32- Cloudy	53 38+ 23 12- 0 28½ 4 2- 43 10½	m <i>Aquilæ.</i> α <i>Lyræ.</i> φ } 29 } <i>Sagittarii.</i> 1 γ } σ } γ } <i>Aquilæ.</i> α } φ <i>Pegasi.</i> 26 } <i>Piscium.</i> ω } D 2d L. 14 ^h 24' 41", 79 mean time. α <i>Andromedæ.</i> Algenib. α <i>Persei.</i> Aldebaran. Capella. Rigel. β <i>Tauri.</i> α <i>Orionis.</i> Sirius.
♀ 13.	33 19 37 31 32 57½ 42 31- 48 57-	58½ 38 10- 43 10 55 34- 0 18- 0 19- 4 31+ 21 11+ 57 42½ 41 13½ 33 37-	Clouds 9 34 38½ 19 34 35½ 39 49- 40 17 43 16- 0 34 19- 35 35½ 35 59- 37 50- 40 29- 43 50- 50 14+ 51 12½ 52 11+ 53 19½ 53 46+ 56 15- 57 56½ 1 0 56½ 0 58- 5 10- 4 21 52- 58 38 5 2 44- 41 52+ 6 34 17+	35 18½ 29+ 22 32 59 33+ 3 23- 42 31+ 34 57½	58 45 8+	⊙ 1st L. ⊙ 2d L. γ } α } <i>Aquilæ.</i> 0 } β } 58 } 62 } <i>Piscium.</i> δ } 2 φ } <i>Ceti.</i> 20 } D 2d L. 15 ^h 12' 8", 80 mean time. 1 <i>Pisium.</i> 26 <i>Ceti.</i> 73 <i>Pisium.</i> 27 } 28 } <i>Ceti.</i> n } 33 } 1 <i>Pisium.</i> } 6 Double. } f <i>Pisium.</i> Aldebaran. Capella. Rigel. α <i>Orionis.</i> Sirius.

In A U G U S T M D C C L V I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
14.	14+	35 33- 54 33 56+ 38 9+ 42 37- 33 12- 57 42+ 2 4+ 41 13	9 36 13- 38 23+ 19 34 35+ 38 48+ 43 16- 1 33 51+ 4 21 52- 5 58 38- 2 43+ 41 52	52+ 39 4- 35 15- 34 31 22 32- 59 33 3 22+ 42 31	32 x 43+ 35 54- Cloudy 23 11+ 28- 4 1 43 10-	☉ 1st L. ☉ 2d L. γ } Aquilæ. α } β } ☽ 2d L. 15 ^h 58' 6", 47 mean time. Aldebaran. Capella. Rigel. α Orionis.
15.	38 38 49- 33 17 37 30+ 21 48	39 17+ 41 28+ 33 56 33 9 22 27+	9 39 5+ 42 8+ 19 34 35 38 48 2 23 8-	40 37+ 48+ 39 27 48+	41 17 43 28 24 27+ 27+	☉ 1st L. ☉ 2d L. γ } Aquilæ. α } ☽ 2d L. 16 ^h 43' 19", 30 mean time.
18.		52 39+ Cloudy	9 Cloudy	Cloudy	52 28 54 38+ 47+	☉ 1st L. ☉ 2d L. Arcturus.
19.	Cloudy		14 4 25+	5 7- 5 47+		α Lyrae.
20.		27 46- 43 15- 47 54+ 59 3+ 1 54 6 9-	18 28 35+ 30 18+ 39 20+ 40 2+ 43 54 45 53+ 48 33+ 19 0 28+ 3 15 7 25- 7 31- 13 6+ 13 56+ 15 15- 16 35 17 48+ 21 6- 21 45- 25 3+ 25 20 26 38+ 28 27+ 4 21 50+ 58 36+ 5 2 42+ 10 47- 41 51 6 Cloudy	22 31- 59 32- 3 21+ 42 30- 35 48+ Cloudy	23 10+ 0 27- 4 0 43 9- 36 31- 5 44+ Clouds 8 47+ 9 26+ 30 13	☉ 1st L. ☉ 2d L. α Lyrae. 1 Aquilæ. ε } Lyrae. σ } 2 v } 1 ξ } 2 ξ } ζ } o } Sagittarii. τ } π } ψ } d } 1 ρ } γ } α } Aquilæ. o } u } β } Sagittarii. a }
21.		33 44+ Cloudy	10 Cloudy	Cloudy	5 44+ Clouds	☉ 2d L. ☉ 1st L. ☉ 2d L. α Lyrae. 1 Aquilæ. ε } Lyrae. σ } 2 v } 1 ξ } 2 ξ } ζ } o } Sagittarii. τ } π } ψ } d } 1 ρ } γ } α } Aquilæ. o } u } β } Sagittarii. a }
22.	4 39	Cloudy	10 Cloudy 10 18 28 34: 34 7+ 36 10+ 36 12- 40 1+ 40 15+ 42 44- 43 4- 46 58+ 49 57- 51 35+ 55 8+ 19 0 27+ 3 14+ 7 24+ 34 34- 38 46+ 39 14+ 40 46- 41 50+ 43 57+	8 47+ Clouds 9 26+ 30 13	5 44+ Clouds 8 47+ 9 26+ 30 13	☉ 1st L. ☉ 2d L. α Lyrae. 1 Aquilæ. ε } Lyrae. σ } 2 v } 1 ξ } 2 ξ } ζ } o } Sagittarii. τ } π } ψ } d } 1 ρ } γ } α } Aquilæ. o } u } β } Sagittarii. a }
25.			18 42 44- 43 31			1 ξ } Sagittarii. 2 ξ }

In A U G U S T M D C C L V I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
25.	48 34- 53 45+	54 26½ 2 33+ 6 58- 27 46- 33 54- 38 7+	18 46 58- 49 56½ 51 35- 55 8- 56 56- 19 0 27+ 3 14+ 5 4- 7 38- 10 18- 10 36 13 5+ 26 37+ 28 26 29 59+ 32 0+ 34 33+ 38 46+ 39 30- 43 13+	35 12½		ζ } ο } <i>Sagittarii.</i> τ } π } 19 <i>Aquilæ.</i> ↓ } d } 6 ^m } <i>Sagittarii.</i> 106° 30' P. D. v } 1x } 3x } δ <i>Aquilæ.</i> 1 e } <i>Sagittarii.</i> 2 e } β <i>Sagittæ.</i> f <i>Sagittarii.</i> γ } α } <i>Aquilæ.</i> 81° 0' P. D. 6 ^m } β }
26.	26 56-	10 24+ 15 15+ 27 46 13- 49 15- 2 33+ 6 43- 9 35+ 20 3+ 23 5- 27 46- 33 54- 38 7+ 30 47 36 23- 38 43 21 9½ 1 23½ 40 33-	17 45 29+ 47 29+ 51 51- 55 39- 57 39½ 18 11 12½ 13 12- 16 5- 28 34+ 30 18- 35 4+ 36 4- 37 32½ 39 19- 40 1- 42 44- 43 3½ 46 58- 49 56½ 51 35 53 49+ 55 8 19 0 27+ 3 14+ 7 24 7 30- 10 18 10 36- 12 45+ 14 24½ 17 16+ 20 47- 20 49- 23 46- 26 37+ 28 26½ 29 48- 32 0 34 33- 38 46 40 45½ 41 50½ 43 57- 20 31 30+ 33 2- 34 21- 37 6½ 39 22+ 4 21 50- 58 35½ 5 2 41+ 41 50+	35 12+		ν <i>Ophiuchi.</i> ζ <i>Serpentis.</i> 96 } 98 } <i>Herculis.</i> b } κ <i>Lyræ.</i> 109 <i>Herculis.</i> μ } <i>Lyræ.</i> α } φ } 29 } 30 } 31 } 1 ν } σ } 1 ξ } 2 ξ } ζ } ο } <i>Sagittarii.</i> 109° 30' P. D. τ } 5 ^m } π } ↓ } d } 1 ρ } 2 ρ } 1 x } 3 x } 3 <i>Vulpec. & Ans.</i> 2 } 4 } <i>Cygni.</i> β } 6 ^m } 9 <i>Vulpec. & Ans.</i> 1 e } <i>Sagittarii.</i> 2 e } θ <i>Cygni.</i> f <i>Sagittarii.</i> γ } <i>Aquilæ.</i> α } ω } <i>Sagittarii.</i> β } α } ↓ <i>Capricorni.</i> α <i>Cygni.</i> ε <i>Aquarii.</i> ω <i>Capricorni.</i> μ <i>Aquarii.</i> Aldebaran. Capella. Rigel. α <i>Orionis.</i>

In A U G U S T M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
26.	32 55-	33 35	6 34 15 7 26 22½	34 55+ 27 1+	35 35:	Syrius. Procyon.
27.	56 30- 45+ 1 23+	21 9½ 57 40½ 2 2+ 10 2+ 18 46 27 41- 41 11+ 32 55- 33 34½ 17 20 18 5+	4 21 49+ 58 35½ 5 2 41+ 10 46 11 55½ 19 25- 23 42½ 28 19+ 41 50+ 6 34 15- 7 18 51	22 30- 59 31 3 20½ 12 34+ 20 4- 24 21+ 28 58 42 29 34 55 19 37	23 9½ 0 26- 3 59 13 13 24 59½: 29 36- 43 8 35 35- 20 22+	Aldebaran. Capella. Rigel. β Tauri. γ } δ } ε } Orionis. ζ } α } Syrius. Castor.
28.	26 40+ 39 16- 26 55 33 14+ 37 28	27 19+ 39 55 27 44 33 53+ 38 57-	10 27 59- 30 8- 12 40 34+ 18 28 34- 43 53- 19 34 32½ 38 46- 43 13-	30 47+ 41 53 29 23 35 12 39 25-	31 26 41 53 Cloudy 35 51 40 4-	☉ 1st L. ☉ 2d L. ☽ 1st L. 2 ^h 11' 55",98 mean time. α Lyrae. κ } γ } Aquilæ. α } β }
29.	30 19½ 29- 10 15- 28- 46 2½ 3 16- 40 32	58½ 7+ 34 9½: 10 56+ 38 6½ 43 13- 46 46 41 11- 57 40 2 2-	10 31 37½ 33 46½ 13 3 13½ 7 23+ 7 29- 11 38- 34 32 38 45- 41 49+ 43 56½ 47 30½ 58 42+ 20 3 59+ 4 23- 5 10+ 6 56- 7 10- 5 41 50	32 16½ 34 26- Cloudy 42 29- 43 7+	55½ 5- Hazy 34- 43- 35 50½	☉ 1st L. ☉ 2d L. ☽ 1st L. very uncertain. d } 1 p } Sagittarii. 2 p } 50 } γ } Aquilæ. α } β } Sagittarii. a } c } ξ } 1 α } Capricorni. 2 α } σ } 6 ^m } β } α Orionis.
30.	33 58 7- 33 14 37 27+ I 23- 24 57- 26 54+	34 37- 46- 38 6+ 43 13- 57 40 2 2- 25 37½ 27 43 22 46 12+ 49 14-	10 35 16 37 24½ 19 26 36½ 28 25½ 31 59 34 32 38 45 40 44½ 41 49½ 43 56 4 21 49 58 35+ 5 2 41- 15 26 18½ 18 28 33- 30 16½ 35 3+ 36 2+ 39 18+ 40 0- 42 42½ 43 2+ 46 57- 49 55+ 51 34- 55 7- 19 0 26- 3 13+	38 4 35 12- 39 24½ 22 29 59 31- 3 20- 59½ 27 40	34- 43- 35 50½ 23 9- 0 25- 3 58+ 27 40	☉ 1st L. ☉ 2d L. 1 e } Sagittarii. 2 e } f } γ } Aquilæ. α } ω } Sagittarii. β } a } Aldebaran. Capella. Rigel.
31.	37 36× 45+ 24 57- 26 54+	38 15- 40 24 25 37½ 27 43 22 46 12+ 49 14-	10 38 54- 41 2½ 15 26 18½ 18 28 33- 30 16½ 35 3+ 36 2+ 39 18+ 40 0- 42 42½ 43 2+ 46 57- 49 55+ 51 34- 55 7- 19 0 26- 3 13+	33 42 42 21 59½ 27 40	40 12 42 21 27 40	☉ 1st L. ☉ 2d L. ☽ 1st L. 4 ^h 45' 26",20 mean time. α Lyrae. φ } 29 } 30 } 1 v } σ } 1 ξ } Sagittarii. 2 ξ } ζ } o } τ } π } ψ } d }

This morning before the Sun passed, I put a little oil to the Pallets of this clock, and of that by the Quadrant. The Pendulum of this vibrated each way 2° 10+, that by the Quadrant 1° 20' and 25'.

Examined the level, and found the east end a little too high. Set axis truly level.

In A U G U S T M D C C L V I.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
31.	6 2-	6 42+	19 7 23-			1 p } 2 p } Sagittarii. 1 x } 3 x } 3 Sagittæ. 1 h } Sagittarii. 2 h } 1 Aquilæ. 1 e } 2 e } Sagittarii. f } γ } π } Aquilæ. α } ω } β } Sagittarii. a } c } 65 } 64 } θ } Aquilæ. 66 } 2 α } Capricorni. σ }
		9 34+	7 28+			
			10 17-			
			10 35			
			13 40-			
			21 4+			
			21 43-			
			23 58-			
		25 56-	26 36+			
		27 45-	28 25+			
		31 18-	31 59-			
		33 52½	34 32-			
	35 14-	36 25	37 4+			
	46 46+	38 6-	38 45-	39 24		
			40 34+			
			41 49½			
			43 56-			
	46 2	46 46-	47 30-			
	50 10+		51 28½			
			55 18			
	57 18		58 35-			
		0 51	20 1 30-			
			4 22+			
			5 10-			
	20 28½	21 8½	4 21 49-	22 29	23 9-	Aldebaran.
		57 39+	58 35	59 30-	0 25-	Capella.
	1 23-	2 1½	5 2 40½	3 20-	3 58½	Rigel.
		10 1-	10 45-	11 27+:		β Tauri.
			11 55-	12 34-	13 12+	γ } Orionis.
	31	41 10	41 49+	42 28	43 7-	α }
	32 54-		6 34 14-	34 54+	35 34+	Syrius.
1 SEPT.	Mare at 11 ^h &c. I wound up the Clock.					
8	41 14-	41 52+	10 42 31+			⊙ 1st L.
			44 41-	45 19+	45 58+	⊙ 2d L.
		13 38-	16 14 21-	15 4-	15 46+	Antares.
	24 12	24 53+	25 35-		26 58½	⊙ 1st L. 5 ^h 40' 37",04 mean time.
		38 6-	19 34 31½			γ }
		42 33	38 45-	39 24-	40 3-	α } Aquilæ.
			43 12-			β }
			4 21 48+	28½	23 8+	Aldebaran.
	56 44	57 39-	58 34+	59 29+	0 24+	Capella.
		2 1+	5 2 40+	3 19+	3 58+	Rigel.
			10 45+			β Tauri.
			11 55-			γ } Orionis.
		41 10+	41 49	42 28-	43 7-	α }
		33 34-	6 34 14-	54	34	Syrius.
14	44 51+	45 30-	10 46 9			⊙ 1st L.
			48 17½	48 56+	49 35½	⊙ 2d L.
			14 4 22+		5 45-	Arcturus.
	25 28-	57 38+	16 58 34-	59 29+	0 24	Capella below.
		26 9½	17 26 52	27 34½	28 16	⊙ 1st L. 6 ^h 37' 48",36 mean time.
		36 25	19 34 31+			γ }
		38 5+	37 4+			π }
			38 45-	39 24-		α } Aquilæ.
			39 12+			o }
	41 49-		43 12-	43 51-	44 29½	β }
	20 28	21 8+	4 21 48½	22 29-	23 8½	Aldebaran.
		57 39	58 35-	59 30	0 25-	Capella.
	1 22	2 1-	5 2 40-	Foggy		Rigel.
20	48 29	49 7:	10 49 46½	50 26-	51 4	⊙ 1st L.
	50 37	51 16	51 55-	52 34	53 12½	⊙ 2d L.
		3 41	14 4 22+	5 3+	5 44+	Arcturus.
	28 0½	28 43-	18 29 25-	30 8-	50-	⊙ 1st L. 7 ^h 36' 15",08 mean time.
				31 17	58½	⊙ Center.
		34 21	35 2½			29 }
		38 35+	39 17-			33 } Sagittarii.
		42 0½	42 42			1 ξ }
			43 2			2 ξ }
		38 5+	19 38 44½	39 23+	40 2+	α } Aquilæ.
	41 48½	42 9½	43 11+	43 50+		β }
		21 7+	4 21 48+	22 28½	23 8+	Aldebaran.
		57 39-	58 34+	59 30-	0 24	Capella.
	1 22+	2 1+	5 2 40+	3 19+	3 58	Rigel.

In SEPTEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 3.			5 10 45- 11 54+	Cloudy		β Tauri. γ Orionis.
♂ 4.	52 5+ 54 14½	44½ 53- 52	10 53 23½ 55 32- 19 34 31+ 38 44+	54 2½ 56 11 39 23	41½ 50-	☉ 1st L. ☉ 2d L. γ } Aquilæ. α }
☉ 5.	32 20::	33 2::	20 33 44::	34 25½::	35 7	☉ 1st L. very hazy and very uncertain.
♂ 6.	Cloudy 28 37-	Clouds 32 25+ 33 52 36 25- 38 5	11 2 45 19 29 57x 34 31½ 37 4 38 44+ 42 6½ 43 11½ 48 9½ 51 43 21 33 17½ 4 58 34 5 2 40- 10 44+ 11 54- 19 23½ 23 41 28 18 41 48½ 7 26 21-	3 24 39 23½ 50½ 49½ 58½ 35 8½ 59 29- 3 19 12 33- 20 2+ 24 20- 28 57- 42 28- 27 0-	4 3- 31 17½ 40 30 49 29- 34 39 49 0 24- 3 58- 13 12- 29 35+ 43 6½ 27 38+	☉ 2d L. β Sagittæ. ↓ } γ } π } α } Aquilæ. o } 58 } β } 63 } 65 } ☉ 1st L. 10 ^h 27' 50",42 mean time. ☉ Center. Capella. Rigel. β Tauri. γ } δ } Orionis. ε } ζ } α } Procyon.
♂ 7.	35 45-	33 52- 36 24 5- 41 27 15 29- 20 41- 24 19+ 29 5- 29 45 56 44+ 1 22- 18 6+ 32 53	18 8 32+ 19 26 35+ 28 24+ 29 45- 31 58- 34 31- 37 3+ 38 44- 39 12- 42 6- 43 57- 47 29- 22 10 52- 13 34- 16 7½ 17 34½ 21 20 22 30½ 24 58+ 26 57+ 27 51- 30 25½ 36 31- 4 58 34- 5 2 40- 10 44+ 11 54 19 23½ 23 41 41 48½ 6 34 13+ 7 18 50-: 26 21- 30 11	23 31 6- 59 29- 3 19- 12 33+ 20 3- 24 20- 34 54- 35 55- 30 55-	31 46- 0 24 3 57+ 13 11½ 20 41- 35 34- 27 38- 31 38+	η Serpentis. 1 c } Sagittarii. 2 c } θ Cygni. f Sagittarii. γ } π } Aquilæ. α } o } 58 } g } Sagittarii. c } 2 Lacertæ. 54 } 5 } 60 } Aquarii. 61 } x } 40 } Pegasi. 41 } ☉ 1st L. 11 ^h 20' 53",29 mean time. 2 r Aquarii. Capella. Rigel. β Tauri. γ } Orionis. δ } ε } α } Sirius. Castor. Procyon. Pollux.
♂ 8.	6 31	7 10-	11 Cloudy Cloudy	10 36-	11 14+	☉ 1st L. ☉ 2d L.
♂ 9.	8 50		19 0 25- 3 12- 7 22- 7 27- 10 15½ 10 34- 11 36:			↓ } d } 1 p } Sagittarii. 2 p } 1 x } 3 x } 50 }

In SEPTEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
4 9.	18 37- The mark appearing too bright on the right hand, I new set the Instrument before Capella passed.	19 16 2 0+	19 14 21+ 20 44- 0 19 56- 4 58 34- 5 2 39+ 10 44- 11 53½ 41 48	Cloudy 20 35+ 59 29- 3 18 12 32+ 42 27	21 14½ 0 24- 3 57 13 11+ 43 5½	2 { Cygni. β { D 2d L. 13 ^h 2' 14", 26 mean time. Capella. Rigel. β Tauri. γ { Orionis. α {
5 11.	17 19- 27 2 59- 3 39 10 12½ 37 25- 51 27- 59 54- 1 21	19 57½ 20 5½ 3 40- 27 41½ 42 45 1 30- 4 28 10 54- 32 59- 38 4 39 43 42 31+ 46 11- 13 13 18 32 32 3+ 47 27- 52 8- 0 33+ 2 0	11 18 36 20 44½ 14 4 21- 18 28 31- 30 4 32 21+ 33 43- 35 0 36 5½ 38 8- 38 24- 43 24 47 25+ 47 42½ 48 23½ 51 55- 53 8+ 58 26+ 19 2 15 5 18 7 35- 11 35½ 13 15+ 13 38- 18 24- 18 37- 24 41- 27 59+ 29 45- 33 38+ 34 30 38 43 40 25- 43 10+ 43 56+ 46 59+ 49 10+ 50 49+ 52 8+ 54 18+ 59 1+ 20 0 13+ 2 50- 5 27+ 7 47- 9 8- 13 58 15 28 19 17- 24 16+ 25 32+ 32 58½ 1 45 5- 48 8+ 48 21 52 49 53 20- 55 27 57 0+ 58 9- 2 1 13+ 4 40+ 4 58 34 5 2 39	15 21 23 5 2- Cloudy 1 53½ 59 29 3 18-	22 53+ 1½ 5 43- a Lyræ. n 4 { Aquilæ. 5 110 { Herculis. 111 { 7 { Aquilæ. 8 { 62 Serpenti. 10 11 { Aquilæ. e h λ i 19 { Lyræ. u v { Sagittarii. 50 { 2 { Sagittæ. 3 { 7 { Vulpec. & Ans. 8 { 42 { Aquilæ. 45 { b Cygni. v { Aquilæ. γ { α { 12 Vulpec. & Ans. β Aquilæ. g Sagittæ. 22 ↓ 25 { Cygni. 6 ^m 2 c θ Sagittæ. 2 b Cygni. p Aquilæ. 18 Sagittæ. 32 { m { Cygni. h { 68 Aquilæ. 41 { Cygni. l { 26 Vulpec. & Ans. α Cygni. 1 v { Ceti. 57 { 2 v { u { Arietis. α { β Trianguli. 15 Arietis. i Trianguli. D 2d L. 14 ^h 35' 23", 62 mean time. 67 Ceti. Capella. Rigel.	

In SEPTEMBER MDCCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
11.						
	6-	18 44 $\frac{1}{2}$	5 10 44-	12 32+	13 11-	β Tauri.
		23 2-	11 53+			γ } Orionis.
	27 0	27 38+	19 23-			δ }
	40 30	41 9-	23 40 $\frac{1}{2}$	28 56-	29 34	ϵ }
	32 52+	32+	28 17	42 27-	43 5 $\frac{1}{2}$	ζ }
			41 48-	34 53-	33 33-	α } Sirius.
			6 34 13-			
12.						
	20 54 $\frac{1}{2}$	21 33-	11 22 11 $\frac{1}{2}$	50 $\frac{1}{2}$	23 29	$\odot$ 1st L.
	2 $\frac{1}{2}$	23 41	24 19 $\frac{1}{2}$	58 $\frac{1}{2}$	25 37	$\odot$ 2d L.
	2 59-	3 40-	14 4 21-	5 2	5 43	Arcturus.
	33 12-	33 51-	19 34 30-	35 9	35 48	γ } Aquilæ.
	37 25+	4 4	38 43-	39 22-	40 1-	α }
	41 53-	42 31	43 10-	43 49-	44 27 $\frac{1}{2}$	β }
		45-	2 49 24-			α Ceti.
		50 22 $\frac{1}{2}$	51 3-	51 44	52 23-	$\odot$ 2d L. 15 ^h 21' 9",32 mean time.
		56 53+	57 3+			δ } Arietis.
			3 0 46+			ζ }
		57 38	4 53 12			105 Tauri.
	1 21+	2 0-	58 33+			Capella.
	9 16	9 59	5 2 39-	3 18-	3 57-	Rigel.
			10 44-			β Tauri.
	18 5 $\frac{1}{2}$	18 44	12 3			η } Orionis.
			19 23-	20 2-	20 40-	δ }
			22 55-			ζ Tauri.
			23 40+			ϵ }
	27 0	27 38+	28 17	28 56-	29 34	ζ } Orionis.
	40 30+	41 9-	41 48-	42 27-	43 5+	α }
	32 52+	32 $\frac{1}{2}$	6 34 12 $\frac{1}{2}$	34 53-	35 33-	Sirius.
		25 41+	7 26 20	59	37 $\frac{1}{2}$	Procyon.
		29 26 $\frac{1}{2}$	30 10 $\frac{1}{2}$	54 $\frac{1}{2}$	31 38	Pollux.
	9 17+	9 56+	9 10 36-		11 54	Venus's Center 21 ^h 39' 30",23 mean time.
13.						
	24 30-	25 8 $\frac{1}{2}$	11 25 47+	26 26	27 4 $\frac{1}{2}$	$\odot$ 1st L.
	26 38	27 16 $\frac{1}{2}$	27 55	28 34	29 12 $\frac{1}{2}$	$\odot$ 2d L.
			14 4 21-	5 2	5 43-	Arcturus.
	26 52-	27 41	18 28 31-			α Lyræ.
	33 12-	33 50 $\frac{1}{2}$	19 34 30-	35 9-	35 48-	γ } Aquilæ.
	37 25	38 4-	38 43-	39 22-	40 1-	α }
	41 52+	42 31	43 10-			β }
			43 56			γ Sagittarii.
			3 31 12+			δ }
			31 44+			ϵ }
			32 52 $\frac{1}{2}$			η } Pleiadum. 67° 15'
			33 48-			θ }
			34 33			ι }
			34 34			κ }
	39 35+	40 16	40 57	41 38-	42 18	$\odot$ 2d L. 16 ^h 6' 59",43 mean time.
		46 22+	47 2-			λ Tauri.
			48 23+	Cloudy		μ Persei.
			4 5 46 $\frac{1}{2}$			ν Tauri.
		21 7	21 47	22 27+	23 7:	Aldebaran.
14.						
	28 5 $\frac{1}{2}$	28 44	11 29 23-	32 9	32 48-	$\odot$ 1st L.
			31 30 $\frac{1}{2}$	35 9-	35 48-	$\odot$ 2d L.
	37 25	38 4-	19 34 30-	39 22-	40 0 $\frac{1}{2}$	γ } Aquilæ.
	41 52+	42 31-	38 43-			α }
			43 10-			β }
			43 56-			γ } Sagittarii.
			48 8-			δ }
	29 54	30 35	4 31 16	31 57+	Clouds	ϵ }
						ζ } Pleiadum. 67° 15'
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In SEPTEMBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
16.	26 52- 33 11½ 37 24½ 41 52+ 31 10	27 41- 50½ 38 3½ 42 30½ 32 4-	18 28 30½ 19 34 29½ 42½ 43 9½ 20 32 48-	29 20 35 9- 39 21½ 48½ 33 52	30 8½ 47½ 40 0½ Clouds 34 46-	α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } α <i>Cygni.</i>
17.	38 52- 33 11: 37 24½ 41 52	39 30 50- 38 3+ 42 30½	11 40 9- 42 17 19 34 29½ 42+ 43 9½	55½ 35 8½ 39 21½ 48½	43 34 40 0 44 27	☉ 1st L. ☉ 2d L. γ } <i>Aquilæ.</i> α } β <i>Aquilæ.</i>
18.	Clouds	Clouds	11 45 52	40 30::	47 9½	☉ 2d L.
19.	Clouds 17 17 25 2x 28 42:	33 32 18 2½ 40½ 29 26-	6 34 12½ 7 18 48½ 26 19½ 30 10-	Clouds 19 34½ 58½ 54	35 32½ 20 19½ 27 37- 31 37½	<i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
20.	31 10-	32 3½	19 Clouds 20 32 57½	39 21½ 33 51½	Clouds 34 45+	α <i>Aquilæ.</i> α <i>Cygni.</i>
21.	53 14	52½	11 54 31½ 56 39½	57 18+	56½	☉ 1st L. ☉ 2d L.
22.	26 51 38 31- 41 58 46 9- 37 24 42 51½ 25 2	27 40 39 14½ 41 58 46 9- 35 39+ 38 3- 43 30 41 8½ 40½ 29 26-	18 28 29½ 57- 42 39½ 42 59 53½ 19 33 2½ 34 29- 36 20- 42- 44 9- 5 37 49½ 47½ 45 7- 7 18 48 26 19½ 30 10-	29 19 40 40 47 38½ 39 21 48- 36 23½ 42 26½ 18 34 58½ 54-	30 8 59½ 45 26+ 43 5 19 19½ 27 37- 31 37½	α <i>Lyræ.</i> σ } 1 ξ } <i>Sagittarii.</i> 2 ξ } ξ } ↓ } <i>Aquilæ.</i> γ } δ <i>Sagittæ.</i> α } <i>Aquilæ.</i> β } ξ <i>Leporis.</i> 136 <i>Tauri.</i> α <i>Orionis.</i> η <i>Leporis.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
23.	0 26- 26 51- 26 41- 33 10½ 41 51½	1 4½ 27 40- 46 8½ 49 10½ 53 21½ 27 19+ 38 3- 42 30-	12 1 43 3 51x 28 29½ 42 39+ 42 59- 54- 52½ 51 31- 54 0½ 19 27 58½ 29 34- 34 29- 42- 43 9-	4 30 29 19- 47 38+ 40½ 39 21- 48-	5 8+ 30 8- 44 26x	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> 1 ξ } 2 ξ } <i>Sagittarii.</i> ξ } σ } τ } ξ } <i>Aquilæ.</i> 45 } φ <i>Cygni.</i> γ } α } <i>Aquilæ.</i> β }
24.	4 2- 26 51- 51½ 31 9 40 5½ 48 56½ 0 9½	4 40½ Clouds Clouds 42 30- 57 53 2 47 32 3- 48 43 10 45 38 51 55x 50½	12 5 19 7 27½ 18 38 42- 19 Clouds 58 32- 3 29 4 19+ 6 10x 20 32 57- 37 39½ 41 31 46 18 20 50 19- 52 38½ 54 22+ 55 23 21 1 32	8 6x Clouds Clouds Clouds 59 10½ 33 51x	30 44½ 8- 44 26+ 28 49½ 34 44½	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> α } β } <i>Aquilæ.</i> θ } 4 } <i>Capricorni.</i> 2 α } 24 } <i>Vulpecula & Anseris.</i> 29 } α <i>Cygni.</i> 14 <i>Delphini.</i> 31 <i>Vulpec. & Ans.</i> 16 <i>Delphini.</i> 8 <i>Aquarii.</i> η } A } 1 x } <i>Capricorni.</i> 3 x } φ }

In SEPTEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
24.	7 7-	47-	21 3 0x 8 27½ 9 40- 10 39 11 55 13 12 14 35½ 16 2 18 2+ 21 5 24 39½ 26 8+ 28 8½ 31 9- 33 4- 38 28½ 43 34x 47 8 51 44 52 24- 2 13 4 24 5 52½ 5 3 6 31+ 8 41+ 15 51½ 23 39 16 38 24 17½ 34 26 47 43 11½ 47 45½ 53 14+ 57 37 59½ 5 38½ 16 54½ 18 43+ 20 37+ 25 29- 38 7- 41 45½ 41 8x 33 31½ Clouds 40x 29 25½ 32 52- 17 17: 25 2	21 3 0x 8 27½ 9 40- 10 39 11 55 13 12 14 35½ 16 2 18 2+ 21 5 24 39½ 26 8+ 28 8½ 31 9- 33 4- 38 28½ 43 34x 47 8 51 44 52 24- 22 3 32½ 3 43 7 10½ 9 21 11 13½ Clouds 26 56½ 28 14½ 28 34½ 29 59: 40 26½ 41 30½ 44 56½ 4 45 44½ 48 25+ 54 32- 55 41- 58 33 5 2 38½ 6 18+ 8 54½ 9 8½ 10 43- 11 50 13 53 17 33½ 19 22 21 16- 23 10½ 23 27 26 8- 28 16½ 29 41 31 47 33 9 35 43½ 39 24½ 42 26x 42 52½ Clouds Clouds 53: 6 34 12x 7 18 48 Clouds 30 10-	14 Aquarii. 1 Capricorni. 17 } 18 Aquarii. 19 } 35 } b Capricorni. 35 Vulpeculæ & Anseris. f Pegasi. 8 Piscis Australis. 72 Cygni. 4 Pegasi. x } 1 c } 2 c } μ } 15 } 17 } 28 } 30 } 36 } 39 } 42 } 45 } p } 31 Pegasi. 51 Aquarii. 8 Piscis Australis. x } 64 } 19 Piscis Australis. 65 } 72 } 74 } 8 } Fomalhaut. 10 Orionis. 64 } 66 } h } Capella. Rigel. 21 } 22 } β } 113 } 24 } A } δ } 38 } 1 c } 2 c } ω } ε } b } 12 Leporis. 131 Tauri. ε Leporis. 55 } a } Syrius. Castor. Procyon. Pollux.	
25.	25 2:		7 18 48- 26 19:		20 19 27 36½:	Castor. Procyon.
26.	15:	11 53	12 12 32 14 40+ 18 28 29+ 19 34 28½	15 19 30 18½ 35 8-	57+ 31 7½ 47:	☉ 1st L. ☉ 2d L. α Lyræ. γ Aquilæ.
	33 10½	Clouds	19 34 28½	35 8-	47:	

In SEPTEMBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 26.	24- 41 51+ 52-	Clouds 42 30- 32 2½ 33 31½ 25 40½ 29 25½	19 38 42- Clouds 20 32 57- 6 34 12- 7 26 19+ 30 9½	21- 43 47½ 33 51 52½ 58: 53½	59½ Clouds 34 44½ 35 32× 27 36½ 31 37	α { <i>Aquila</i> . β { α <i>Cygni</i> . <i>Syrus</i> . <i>Procyon</i> . <i>Pollux</i> .
☽ 27.		15 30-	12 16 8½ 18 17-	55½	19 34	☉ 1st L. ☉ 2d L. This afternoon I examined the line of Collimation of the Transit Instrument, and found it right, as also the Level and Cylinders.
♂ 28.	18 28 2 57½ 5 39- 26 50½ 37 23½ 51+ 31 9-	19 6½ 3 38+ 6 20- 27 39½ 12 21½ 23 15½ 49 38 2½ 29½ 24 38 32 2½	12 19 45½ 21 54- 14 4 19½ 16 7 1½ 18 28 29 48 21½ 19 13 0½ 34 28½ 41½ 43 8½ 20 25 19½ 56½	22 32½ 5 1- 29 10½ 40+ 35 8- 39 20½ 47½ 51-	23 11 42- 8 24- 30 7½ 46½ 59½ 44 26 34 44½	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . ☽ 1st L. 3 ^h 35' 59",99 mean time. α <i>Lyræ</i> . δ } ε } γ } <i>Aquila</i> . α } β } Saturn's Center 7 ^h 53' 35",31 mean time. α <i>Cygni</i> .
♂ 30.	2 57½ 59½ 40 30- Clouds	3 38½ 27 38- 41 8½ 33 32 Clouds	14 4 19½ 5 28 16½ 47½ 6 34 12½ 7 26 10½	5 1- 55+ 42 26½ 52½ Clouds	41½ 29 34½ 43 5 Clouds 27 37-	<i>Arcturus</i> . ξ { <i>Orionis</i> . α { <i>Syrus</i> . <i>Procyon</i> .
1 Oct.	At 10 ^h Mane, I wound up the Clock.					
♀ 1.	29 20× 11 14 33 10½	59- 56 49 38 2½	12 30 38- 32 46+ 18 28 29 19 12 38½ 34 28+ Clouds	33 25 29 18½ 35 8- 39 20½	34 3+ 14 2½ 15 11: 47- 59:	☉ 1st L. ☉ 2d L. α <i>Lyræ</i> . ☽ 1st L. 6 ^h 29' 18",50 mean time. ☽ Center. γ } <i>Aquila</i> . α }
♂ 2.	32 58 26 51- 33 10½ 37 24- 41 51½ 12 10½ 23 46	33 36½ 3 38½ 27 39½ 49+ 38 2½ 42 30- 52 24 27-	12 34 15½ 36 24½ Cloudy 14 28 29× 19 34 28½ 38 41½ 43 8½ 49 8 50 52½ 52 9× 20 13 34 20 25 8-	37 3× 5 1- 29 19- 35 8- 39 20½ 47½ 49×	42- 41½ 30 7½ 46½ 59½ 44 26 14 58 26 30-	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . α <i>Lyræ</i> . γ } <i>Aquila</i> . α } β } ↓ <i>Cygni</i> . 15 <i>Vulpecula</i> & <i>Anseris</i> . γ <i>Sagittæ</i> . ☽ 1st L. 7 ^h 26' 8",35 mean time. Saturn's Center 7 ^h 37' 39",17 mean time.
☉ 3.	26 51- 33 10½ 37 23½ 41 51½ 7 6½ 11 9½ 38 28× 43 34+ 51 44 2 13	27 39½ 49½ 3 3- 42 30- 47- 50½ 31 9 39 8 44 13× 48 12½ 52 24- 54 43- 53- 5 3+ 7 22½	18 8 30+ 28 29+ 59 27 19 34 28½ 41½ 43 9- 21 8 27½ 12 32- 48+ 39 48- 46 35½ 50 15½ 53 4- 55 24- 57 23 22 0 12 3 52½ 5 43 8 1-	29 18½ 11 18½ 0 38 35 8- 39 21- 47½ 9 8× 32 27½ 34 3- 28- 46×	30 8- 47- 59½ 44 26 13 54× 40 7+ 30 35 40 42 45 30	η <i>Serpentis</i> . α <i>Lyræ</i> . 24 { <i>Ursæ minoris</i> . δ } γ } <i>Aquila</i> . α } β } ι <i>Capricorni</i> . ☽ 1st L. 8 ^h 21' 0",29 mean time. ι c } δ } <i>Capricorni</i> . μ } 17 <i>Pegasi</i> . η <i>Piscis Australis</i> . 29 } 30 } 35 } <i>Aquarii</i> . e } 40 } 42 } 45 } 30 <i>Pegasi</i> .

In OCTOBER MDCCCLVI.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
3.	9 56+ 41½	10 34	22 11 13½ 13 7½ 17 1 18 34 7		27 37-	51 53; double. } <i>Aquarii.</i> 56 58 <i>Procyon.</i>
4.	Clouds 17 17½ 25 2½ 28 42½ 57 1	8 29: 57 34- 18 3- 41- 29 26 40	22 9 10: 5 59 40 6 8 1 19 31½ 28 44 34 13 45 4½ 7 13 43½ 18 48½ 26 20- 30 10x 9 58 19	Clouds 59 0 14 22½ 19 34½ 58½ 54+ 58	0 42½ 15 1+ 20 19½ 27 37 31 38- 59 37::	1st L. very dubious. 9h 13' 34", 49 mean time. α <i>Aurigæ.</i> μ <i>Geminorum.</i> 13 <i>Monocerotis.</i> ε <i>Geminorum.</i> <i>Syrius.</i> δ } <i>Canis majoris.</i> β } <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Venus's Center.</i> 21h 0' 46", 45 mean time.
5.	43 54- 30 44 37 2 43 34 47 8 2 54 23 39 2 13- 18 5 30½ 6 38 32 52½ 8 54½ 25 2½ 28 42½	44 32+ 31 23 42 44 13 46 52 23+ 3 32 7 22 10 34 14 42: 24 17½ 52½ 43½ 25 29+ 27 38 41 9- 16 59 16½ 7 18+ 3 36½ 33 32x 47 24 9 38 13 4 18 3 41- 29 26x 48 11½	12 45 11x 47 20½ 21 32 2 38 22½ 41 28 48 25 51 11 53 3½ 55 30+ 57 23 22 0 37 4 11 8 0½ 11 13½ 13 7½ 15 20+ 54 56½ 54 33½ 56 1 23 1 30½ 23 3 32½ 9 40½ 5 19 22½ 21 16½ 22 54½ 26 8 28 17 29 41 33 3+ 35 43+ 41 48- 49 7 59 58½ 6 8 1½ 14 18 23 26 34 13- 40 7½ 49 52 7 10 22 18 43 18 48½ 26 20- 30 10½ 12 51 0- 14 6 28 44½ 6 34 13 40 41	59½ 41 35 59 39 3- 45 32 49 4 43½ 12½ 2½ 18½ 39½ 1½ 36- 46½ 30 20 42 26½ 55 3½ 24 6 53x 0 30 11 6 14 22½ 19 34½ 58½ 54x	48 38 33 19½ 30 39 42+ 52½ 59½ 1½ 36- 46½ 43 5x 9 24 24 46 35 33- 15 1+ 20 20- 37 31 37½	1st L. 2d L. ε } 11 } <i>Pegasi.</i> q. 13 } 15 } 17 } 28 <i>Aquarii.</i> 21 <i>Pegasi.</i> 1 <i>Aquarii.</i> 1 <i>Pegasi.</i> e } 41 <i>Aquarii.</i> 44 30 <i>Pegasi.</i> 51 <i>Aquarii.</i> 53 <i>Pegasi.</i> 35 <i>Pegasi.</i> α <i>Aquarii.</i> 1 <i>Pegasi.</i> A <i>Piscium.</i> φ <i>Aquarii.</i> 1st L. 10h 3' 49", 35 mean time. 1 Center. 97 <i>Aquarii.</i> δ <i>Orionis.</i> 38 3 <i>Tauri.</i> ω } ζ } <i>Orionis.</i> b } 130 <i>Tauri.</i> ζ <i>Leporis.</i> α <i>Orionis.</i> H <i>Geminorum (Propus).</i> b <i>Leporis.</i> η } μ } <i>Geminorum.</i> ν } γ } <i>Syrius.</i> 37 <i>Geminorum.</i> 24 } <i>Ursæ minoris: below.</i> δ } 1 <i>Geminorum.</i> β <i>Canis majoris.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> 1st L. 2d L. <i>Arcturus.</i> ε <i>Geminorum.</i> <i>Syrius.</i> e <i>Geminorum.</i>
6.	47 33	48 11½	Clouds 12 51 0- 14 6 28 44½ 6 34 13 40 41	Clouds 41 21+	52 17x 5 42:	1st L. 2d L. <i>Arcturus.</i> ε <i>Geminorum.</i> <i>Syrius.</i> e <i>Geminorum.</i>

IN OCTOBER MDCC LVI.

DAY of the MONTH.		1st Wire.	2d Wire.	Meridian Wire. H "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8	6.	48 1+	48 43	6 49 25+	50 8		ζ Geminorum; very windy.
		17 17-	18 2½	7 18 48+	19 34+		Cassio.
		25 2+	1 40½	26 19½		27 37	Procyon.
			29 26+	30 10	54	37+	Pollux.
		53 50-	54 29½	9 55 9-	48½	56 28×	Regulus.
		3 14-	53-	10 4 32	5 11+	50	Venus's Center 20 ^h 59' 6", 61 mean time.
4	7.	51 13-	51	12 52 30::		55 57	⊙ 1st L.
				Clouds			⊙ 2d L.
		26 50½	27 39½	14 Cloudy	5 1-		Arcturus.
				18 28 29	29 18½	30 7½	α Lyrae.
				59 24			24 { Ursa minoris: above.
		33 10½	38 40½	19 34 28½	0 36½	46½	γ { Aquila.
		24-	42 2½	43 41½	35 8-	59½	α { Aquila.
		51½	42 30-	43 8½	39 20½	26	β { Aquila.
		2 36½		20 3 55½	47½		1 α { Capricorni.
			6 26	4 19	59		2 α { Capricorni.
		11 38	12 27½	7 6	46		β { Capricorni.
				13 17+		1 51	γ Cygni.
				o Cloudy			Algenib.
				4 16			δ Andromedæ.
				19 12			κ Cassiopeiæ.
			21 52½	22 31½			13 Ceti.
				23 57			53 Piscium.
				26 11			δ Andromedæ.
		29 48	30 29-	31 9½			β Ceti.
			32 59½	33 40½			57 { Piscium.
				35 29½			62 { Piscium.
		39 6	44½	40 23×			20 { Ceti.
				41 49			21 { Ceti.
				43 37½			3 φ { Ceti.
		45 52	46 31½	47 11-	50½	30-	⊙ 1st L. 11 ^h 39' 20'', 84 mean time.
			48 39	49 18½	58½	37½:	⊙ 2d L.
		52×	39 12½	6 34 12½	53-	33-	Syrus.
			47 23½	49 51	0 29		δ { Ursa minoris: below.
				59 15			24 { Ursa minoris: below.
				7 5 21			δ Geminorum.
		17 17½	18 3-	26 20-	19 34½	20 20-	Cassio.
		25 2½	41-	30 10×	58½	27 37-	Procyon.
		28 42½	29 26-	9 55 9	54×	3 37½	Pollux.
		50-	54 29½	10 7 43	49:	56 28-	Regulus; faint.
		6 25-	7 4-		8 22+	9 1+	Venus's Center 20 ^h 58' 21'', 18 mean time.
After Venus passed, I examined the level of the Axis, and found it very nearly right; the west end being only 1" or two highest. I did not alter it, as the difference was scarce perceptible.							
♀	8.	54 52½	31×	12 56 10	49	57 27½	⊙ 1st L.
		57 2	40½	58 19½	58+	59 37	⊙ 2d L.
		2 57½	3 38½	14 4 19½	5 1-	41½	Arcturus.
		26 50½	27 39½	18 28 29-	29 18½	30 7½	α Lyrae.
				49 57	0 34½		δ { Ursa minoris; above.
				59 22			24 { Ursa minoris; above.
		33 10×		19 34 28½	35 8-	46½	γ { Aquila.
		37 23½	38 2½	41½	39 20½	59+	α { Aquila.
		41 51+	42 29½	43 8½	47½	25½	β { Aquila.
		11 38-	12 27+	20 13 17+	14 7½	14 57	γ Cygni.
			20 43	21 22+	22 1+	22 40½	ε Delphini.
				32 56	33 50+	34 44	α Cygni.
♂	9.	28 18	Clouds	2 29 38-	30 18-	30 57+	⊙ 2d L. 13 ^h 13' 38'', 76 mean time.
			5 54	3 6 53	7 52+	8 51	α Persei.
			16 36½	17 16+	17 55½	18 35+	f Tauri.
				25 31	26 28	27 24+	δ Persei.
				31 24+	32 3	32 42+	δ Eridani.
			40 34+	41 24	42 14	43 3½	ε Persei.
			59 8½	59 47½	0 26½		ο Eridani.
			5 6+	4 5 46	6 26		γ Tauri.
				11 22+			ξ Eridani.
				14 14+			ε Tauri.
		20 26½	21 6	21 46½	22 27	23 7+	Aldebaran.
○	10.	2 57½	3 38+	14 4 19½	5 0½	41½	Arcturus.
		7 23+	8 3+	4 8 43½	9 24	10 4	1 δ { Tauri.
				15 1	15 41	16 20+	b { Tauri.
		20 26½	21 5½	21 46½	27+	6½	Aldebaran.
		35 8+	47½	36 26+	37 5+	37 43½	ι { Orionis.
			45 5½	45 44½		10	

In OCTOBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 10.		53 53	4 49 26+ 54 32 58 33 5 2 38 10 43 19 22 28 16+ 36 0½ 41 47+ 47 47 6 8 1+	55 10½ 59 28½ 3 17+ 11 27 20 1 28 55 36 40 42 26+ Clouds 8 43 24 6	0 23½ 3 56+ 12 10 20 39+	↓ { Eridani. 66 { Capella. Rigel. β Tauri. δ } ζ } Orionis. α } μ } γ { Geminorum.
☽ 11.	8 51½ 5+ 6 38- 22 5 32 52+ 19 38½	9 32+ 43 28+ 9 59½ 43+ 41 8½ 7 19½ 22 45½ 33 32+ 20 17+	4 10 13 44 21+ 55 41½ 58 33+ 5 2 38½ 10 43+ 19 22+ 36 1- 41 47½ 47 47+ 6 8 1+ 23 26 34 12½ 9 55 9½ 22 20 56½	Hazy 45 15- 59 28½ 3 17½ 11 28- 20 1 36 40 42 26+ 48 26½ 8 43+ 11 30+ 24 6+ 53 49 21 36-	11 35 0 23+ 3 56½ 12 10 20 39+ 43 5+ 9 24½ 12 15- 25 32+ 56 28½ 22 14½	☽ 2d L. 14 ^h 46' 6", 26 mean time. ε Aurigæ. h Eridani. Capella. Rigel. β Tauri. δ } ζ } Orionis. α } μ } Geminorum. ζ Canis majoris. γ Geminorum. Syrius. Regulus. Venus's Center 8 ^h 57' 46", 79 mean time.
♂ 12.	11 47½ 2 57½ 26 50½ 47 59 47+	12 26 3 38½ 27 39½ 22+ 52 25+ 21 6+ 28½ 41 8½ 18 53 28 1 57 34+ 13 4+	13 10 55+ 13 5× 14 4 19½ 18 28 29- 20 32 56+ 21 26 21½ 32 1½ 53 4- 4 21 47- 41 27 5 0 10 22 54½ 28 16½ 34 7 36 1- 41 48- 6 8 1+ 19 32- 28 44+ 49 26½ 58 17+ 7 13 43	34½ 44½ 5 1- 29 18½ 33 50½ 32 41 53 43 22 27+ 37 49 42 6+ 23 36 28 55+ 36 40+ 42 26½ 8 43+ 20 10½ 29 27+ 59 0 14 22½	12 13 14 23 41½ 30 7½ 51 21+ 23 7+ 42 44½ 2 32½ 24 17½ 29 33+ 43 5+ 59 42½	☉ 1st L. ☉ 2d L. Arcturus. α Lyæ. α Cygni. γ Capricorni. ε Pegasi. α Aquarii. Aldebaran. ☽ 2d L. 15 ^h 32' 58", 95 mean time. ζ Tauri. ζ Orionis. γ Leporis. α } Orionis. μ } Geminorum. 13 Monocerotis. ε } Geminorum. δ Canis majoris. β Canis minoris. α Cygni.
♂ 13.		32 3	20 32 46+	33 50		μ { Geminorum. γ }
♂ 14.	43 51+	7 19½ 44 33	6 8 1½ 23 26+ Cloudy	8 43 Cloudy	Cloudy	☽ 2d L.
♂ 16.	26 29	25 9+ Cloudy 27 10	13 25 48 27 57½ 7 30 10+ 8 27 51+	28 36½ Cloudy Cloudy		☉ 1st L. ☉ 2d L. Pollux. ☽ 2d L. 18 ^h 43' 23", 04 mean time.
♂ 19.	47 58	48 37	21 49 16		50 34-	Venus's Center 8 ^h 54' 24", 84 mean time.
♂ 20.	39 33 42 26½ 3 4+ 38+ 22 6+	40 12 43 11+ 3 42+ 7 20+ 22 46+ 58 34½ 3 12+ 13 5	13 40 51 43 3 22 43 56+ 56 14 23 4 21+ 6 8 2 23 26½ 34 13 59 13+ 7 3 52½ 13 44- 18 49	43 42 44 41½ 5 0 8 44 24 7- 34 53+ 4 33 14 22½ 19 35	44 21 45 26+ 5 39- 9 25+ 24 46½ 35 32½ 0 30+ 5 13+ 15 1½ 20 20+	☉ 1st L. ☉ 2d L. Fomalhaut. 1 c Aquarii Borealis. γ Piscium. μ { Geminorum. γ } Syrius. 22 Monocerotis. λ Geminorum. β Canis minoris. Castor.

IN OCTOBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
20.	25 2 28 43	25 41+ 29 26+	7 26 20+ 30 10+	26 59+ 30 55-	31 38	<i>Procyon.</i> <i>Pollux.</i>
22.	27 0½	27 38½	5 28 17+ 41 48 9	28 56 42 27-	29 34+ 43 6- 56 29	γ } <i>Orionis.</i> α } <i>Regulus.</i>
23.	31 9-	32 2½	20 32 57- 39 18	33 51-	27 17½ 34 44+	<i>Saturn.</i> α <i>Cygni.</i> μ <i>Aquarii.</i>
After these Observations, I examined the line of Collimation, and found it nearly right; I rectified it as exactly as I could, and set the Axis level, by Lord Maclesfield's level, and brought the wire to correspond to the mark. I likewise examined, by the same level, the diameter of the Cylinders, and found them to be so nearly of the same bigness, that I could not perceive that there was any sensible difference, though the level was so good, that I might have discovered a difference of less than $\frac{1}{1000}$ part of an inch.						
24.		57 38+	13 58 18-	58 57½	57 24½ Clouds	☉ 1st L. ☉ 2d L.
25.	11 38½	12 42½ 20 24 13½ 33 7+ 45 22 54 12	22 50 35½ 59 15½ 23 1 30+ 4 21+ 13 1+ 21 26 25 5+ 33 46 38 45+ 46 1+ 55 40	51 26+ 5 0+ 43 26 57 34 24½ 46 39½ 56 24	52 17½ 14 24+	<i>Andromedæ. o</i> 59 <i>Pegasi.</i> ϕ <i>Aquarii.</i> γ <i>Piscium.</i> 2 b <i>Aquarii.</i> 14 <i>Pisium.</i> 17 <i>Andromedæ.</i> 19 <i>Pisium.</i> 80 <i>Pegasi.</i> 27 <i>Pisium.</i> α <i>Andromedæ.</i>
28.	40 10-	43 50- 11½	22 41 30x 56½ 47 56½ 49 41½ 51 17½ 52 27½ 54 33½ 59 15½ 23 1 30 4 21- 9 53- 13 1½ 19 16 22 50+ 28 18½ 44 43 8 3 5+ 13 16½ 24 32½ 33 39+ 42 17½ 47 40 14 4 19½	44 42- 4 59½ 13 43+ 29 11½ 3 44½ 13 55+ 34 18+ 42 56½ 5 1-	45 26	<i>Scheat (δ Aquarii.)</i> <i>Fomalhaut.</i> ϵ <i>Pisium.</i> 82 <i>Aquarii.</i> β <i>Pisium.</i> α } <i>Pegasi.</i> 59 } ϕ <i>Aquarii.</i> γ <i>Pisium.</i> 64 <i>Pegasi.</i> 2 b <i>Aquarii.</i> 13 } <i>Pisium.</i> 15 } α <i>Andromedæ.</i> <i>Pole Star; above.</i> β <i>Canceri.</i> 2 } δ } <i>Hydra.</i> ϵ } ζ } α <i>Ursæ majoris.</i> <i>Arcturus.</i>
29.	14 4½ 16 18 26 50x 33 10 37 23½ 51- 54 10-	16 44- 57½ 27 39x 49- 38 2x 42 29½ 51½	14 15 24- 17 37x 18 28 28½ 19 34 28+ 43 8x 55 33½ 20 3 55 4 19-	16 14- 18 17x 29 18 35 7½ 39 20½ 47½ 56 16- 57 27 5 47+ 7 46-	43 56½ 30 7- 46½ 59x 44 25½ 57+ 58 7½	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> γ } α } <i>Aquila.</i> β } ☉ 1st L. 5 ^h 22' 1", 64 mean time. ☉ Center. 1 a } 2 a } σ } <i>Capricorni.</i> β } π } ρ } 41 <i>Cygni.</i> ϵ <i>Delphini.</i> τ } <i>Capricorni.</i> ν } α <i>Cygni.</i> 13 <i>Delphini.</i>
	24 5 31 8½	45 32 2	25 25+ 20 32 56	26 38- 33 50½ 36 10	34 44-	

In OCTOBER MDCCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
29.			20 37 39½ 39 17½ 43 30½ 46 55 50 18½ 52 1½ 21 8 27- 10 39 14 35½ 16 2- 17 52+ 20 14 22 31- 28 8 37 41½ 40 43½ 44 13- 47 46½ 52 25½ 54 42+ 43+ 48 8+ 52 48+ 2 8+ 7 20+ 22 46+ 33 32+ 2 32+ 3 12½ 18 3½ 25 41+ 29 26½ 56 16 2 26- 8 30 16 47+ 28 15			14 Delphini. μ } Aquarii. 7 } 21 } η } Capricorni. θ } 18 Aquarii. b Capricorni. 35 Vulpec. & Ans. β Aquarii. 37 } Capricorni. ε } ζ Aquarii. 4 Pegasi. κ Capricorni. 26 Aquarii. 1 c } Capricorni. 2 c } 11 } 13 } 14 } Pegasi. 15 } 17 } 28 } 30 } Aquarii. α } 35 } β Tauri. α Orionis. 132 Tauri. κ Orionis. 137 Tauri. α } μ } Orionis. ν } ξ } κ Aurigæ. 5 Monocerotis. μ Geminorum. β Canis majoris. 11 Monocerotis; double. γ Geminorum. 15 Monocerotis. 1 ξ Geminorum. Syrius. 19 } Monocerotis. 22 } λ } Geminorum. ι } ρ } Castor. Procyon. Pollux. 1 } Cancri. 2 ω } 13 } Navis. 1 } β } 1 d } 27 } θ } Cancri. 1 c } γ } 2 A } ζ Hydra: hazy. 2 α Cancri.
30.	17 58½ 20 12 26 50 33 10- 37 23½	18 38- 51½ 27 39x 49- 38 2	14 19 18- 21 31+ 18 28 28½ 19 34 28½ 38 41 20 43 31	58- 11 18 7½ 20½	20 37 51- 7 46½	☉ 1st L. ☉ 2d L. α Lyre. γ } Aquilæ. α } 7 Aquarii.

In OCTOBER MDCCCLVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
30.			20 45 31½ 46 55 50 18 52 1 55 24½		48 48½ 47	20 } Capricorni. 21 } 9 Aquarii. 7 } Capricorni. 8 } 1st L. 6h 17' 46", 54 mean time. Center. 29 } Capricorni. 30 }
7 6	54 2-	51 20½ 43- 0 50 46½	21 2 2 4 3+ 8 27-	56 6- 57 16		
1 Nov.	I wound up the Clock.					
1.	25 48+ 28 2x 33 10	26 28- 42 33 49 32 2 43 11½ 51 36½	14 27 8 29 22- 19 34 28+ 20 32 56½ 22 36 28½ 38 44 41 39 57- 22 46 43½ 52 15+ 56 1½ 57 35- 59 15 23 1 30½ 2 55½ 5 2½ 6 5½ 8 24 14 25½ 16 49 18 42½ 21 26+ 22 50½ 23 46½ 27 14½ 29 26+ 31 21 46+ 35 14 58½ 39 19 40 25½ 58 40- 0 0 32½ 2 16 3 53 54 10 10½ 45- 13 58 17 25½ 40 26 33 26 58 31 10- 33 3½ 34 38- 35 53+ 37 44½ 40 23½ 44 41½ 7 8 25 10 23- 13 13+ 18 49+ 26 20+	48+ 30 2 33 50½ 40 21½ 44 41½ 47 24- 48 29 48 3+ 49 10 53 33½	28 27½ 42- 46+ 34 44- 48 3+ 49 10 53 33½	0 1st L. 0 2d L. γ Aquilæ. α Cygni. 2 τ Aquarii. γ Piscis Australis. λ } Aquarii. 77 } Fomalhaut. 1st L. 8h 0' 55", 46 mean time. Center. 1 h Aquarii. A Piscium. n } Pegasi. 59 } 1 ↓ Aquarii. 2 ↓ 3 ↓ b } 1 x } Piscium. 12 } 3 b Aquarii. 14 } 15 } 16 } Piscium. 1 } λ } 3 A Aquarii. 19 } 20 } Piscium. 21 } 22 } Pegasi. 25 } f Ceti. Algenib. 35 } 36 } Piscium. 38 } d } 9 Ceti. 44 Piscium. 10 } Ceti. 12 } 51 Piscium. 15 Ceti. 55 } Piscium. 56 } β } Ceti. 18 } 60 } Piscium. δ } 2 φ } Ceti. 20 } Pole Star; above. A } 1 } Geminorum. 5 } Castor. Procyon.
12 58½		20 47½ 26 36 28 47½ 33 7½ 36 9½				
38 2						
6 36½ 11 28-	7 15 9 31½ 12 6 16 46½ 19 1½ 22 13½ 25 52 32 23 44½			5 18		
39 6						
3+		41½		35+ 59½	20½	

In NOVEMBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
1.	7+	50	7 30 11— 55 33— 57 48½ 59 38½	54½	38+	<i>Pollux.</i> 2 ↓ } <i>Cancr.</i> 3 ↓ } 19 <i>Navis.</i> β } <i>Cancr.</i> ; misty. 1 d }
2.	31 58::	Cloudy	14 31 14 Clouds	44½	Cloudy	☉ 1st L. ☉ 2d L.
3.		20½ 55 0½	20 50 0 55 53+ 58 18— 21 2 23 7 43+ 10 37+ 18 31+ 24 0 24 39+ 38 22 48 25+ 22 12 38+ 14 30+ 16 5½ 19 44 20 39+ 22 38½ 19 53+ 26 56½ 34 38+ 39 14+ 46 47— 51 49— 54 33+ 23 1 30+ 5 2+ 7 45+ 10 37 12 47+ 15 25+ 21 44 25 10 27 14— 33 46+ 35 14 36 48+ 38 45 42 29+ 46 38— 0 29 24½ 35 53½ 45 44 50 9 52 6 9 55 10½ 10 2 53½ 6 18 14 4 20—	50 39½	19 10+	2 <i>Equulei.</i> ξ <i>Cygni.</i> γ <i>Equulei.</i> 64 } <i>Cygni.</i> ν } e <i>Pegasi.</i> β <i>Aquarii.</i> from the Pole 6 or 5. ρ <i>Cygni.</i> 13 <i>Pegasi.</i> 28 } <i>Aquarii.</i> π } 4 <i>Lacertæ.</i> ζ <i>Aquarii.</i> 38 } <i>Pegasi.</i> 39 } η <i>Aquarii.</i> 8 <i>Lacertæ</i> ; double. ε <i>Piscis Australis.</i> λ <i>Pegasi.</i> 14 <i>Lacertæ.</i> 2 <i>Piscium.</i> β } <i>Pegasi.</i> 1 } φ } <i>Aquarii.</i> 2 ↓ } b <i>Piscium.</i> 66 } 67 } 69 } <i>Pegasi.</i> 72 } 74 } 19 } <i>Piscium.</i> 20 } 21 } 80 <i>Pegasi.</i> 26 } <i>Piscium.</i> ω } ☉ 1st L. 9h 35' 27", 71 mean time. ☉ Center. δ <i>Piscium.</i> 20 <i>Ceti.</i> Pole Star: above. ε } <i>Piscium.</i> 73 } <i>Regulus.</i> ζ } <i>Leonis.</i> γ } <i>Arcturus.</i>
4.	36 38 23+	37 18½ 2+	14 37 59— 40 14— 19 38 41+ 43 8+ 21 22+ 23 50— 29 40 32 56+ 34 40+ 37 2— 40 48+ 43 52+ 46 30 50 18+	41 54	42 34 39 59	☉ 1st L. ☉ 2d L. α } <i>Aquilæ.</i> β } ε <i>Delphini.</i> 70 <i>Aquilæ.</i> 10 <i>Delphini.</i> α <i>Cygni.</i> 3 <i>Aquarii.</i> ω } <i>Capricorni.</i> 19 } 17 } <i>Delphini.</i> 18 } η <i>Capricorni.</i>

In NOVEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
4 4.			19 52 38 54 22— 58 35+ 21 2 25+ 4 53 7 40+ 12 22 15 39+ 18 31+ 24 39 26 10½ 30 10+ 34 40½ 38 22 41 48— 44 52+ 47 46 48 52+ 50 30+ 52 3½ 22 5 43 7 10+ 8 52½ 16 47½ 19 50+ 22 38½ 26 56+ 29 7½ 33 27 36 29— 43 56½ 52 27½ 57 35— 59 50½ O 46 21+ 52 30— 54 45+ 59 10+ I 1 51 7 33 13 24 15 27+ 19 7+			A { <i>Capricorni</i> . 1 x 3 <i>Piscis Australis</i> . 8 <i>Aquila</i> . τ { <i>Cygni</i> . σ 21 <i>Aquarii</i> . 69 <i>Cygni</i> . β <i>Aquarii</i> . 72 <i>Cygni</i> . 5 <i>Pegasi</i> . 1 <i>Piscis Australis</i> . 11 13 16 } <i>Pegasi</i> . 17 18 19 } 31 } 32 } <i>Aquarii</i> . 45 } p } 7 } 36 <i>Pegasi</i> . 6 <i>Lacertæ</i> . n <i>Aquarii</i> . ε <i>Piscium Australis</i> . ζ } <i>Pegasi</i> . 45 } 2 τ <i>Aquarii</i> . Fomalhaut. α } n } <i>Pegasi</i> . 60 } 4 φ <i>Ceti</i> . 1 ↓ } <i>Piscium</i> . 2 ↓ } 34 <i>Ceti</i> . ξ; double } <i>Piscium</i> . 1 38 <i>Castropeia</i> . ξ <i>Andromedæ</i> . D 1st L. 10 ^h 21' 6", 28 mean time.
5.	42 26½	43 11+	23 10 37½ 15 26+ 21 7+ 26 5+ 30 48½ 33 46+ 2 8 34 15 4— 9 55 10+ 11 54 52 14 4 20½::	9 14 10 18 20 15 55 31— 5 1½	54— 58— 56 9+ 42½	66 <i>Pegasi</i> . θ <i>Piscium</i> . γ <i>Pegasi</i> . ι <i>Andromedæ</i> . 77 <i>Pegasi</i> . 19 <i>Piscium</i> . D 1st L. 11 ^h 6' 29", 00 mean time. D Center. 2 ξ } 75 } <i>Ceti</i> . v Regulus; very windy. Venus's Center. 20 ^h 51' 10" 89 mean time. Arcturus.
6.	26 50½ 33 10½ 37 24— 41 51	27 39½ 49½ 38 2½ 30—	18 Cloudy 19 34 28½ 41½ 43 9— 20 29 40 31 53 37 49 39 2+ 41 31+ 44 59+ 46 42 52 29½ 54 21½ 58 17+ 21 2 23+ 4 53+	Clouds 35 8— 20½ 47½	30 7: 46½ 59½ 26—	α <i>Lyræ</i> . γ } α } <i>Aquila</i> . β } 10 } δ } <i>Delphini</i> . 15 } 5 <i>Aquarii</i> . 31 } <i>Vulpec. & Ans</i> . 33 } 1 <i>Equulei</i> . 60 <i>Cygni</i> . 1 x <i>Capricorni</i> . 7 <i>Equulei</i> . 64 } <i>Cygni</i> . τ }

In NOVEMBER MDCCCLVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
6.			21 7 40+ 10 37½ 12 22 13 45 18 31+ 32 2— 38 22 41 27 44 52+ 23 16 40× 19 16½ 21 26+ 26 5+ 28 18½ 37 12 38 45+ 40 26— 42 30 45 12½ 49 19 52 41 0 4 16 7 54 15 12½ 17 9 19 40— 23 46 26 11+ 28 26+ 31 9½ 34 18 37 44½ 51 7+ 52 29½ 56 0+ 1 0 24+ 2 58 14+ 3 0 21 3 50½ 5 16½ 8 37— 10 16: 11 36 24 12 44 26: 14 4 20½			α Cygni. e Pegasi. 20 Aquarii. 35 Vulpec. & Ans. β Aquarii. 13 } 15 } Pegasi. 17 } 13 } Piscium. 14 } 1 } Andromedæ. 79 } Pegasi. 80 } 25 } Piscium. 26 } ↓ } Pegasi. 85 } 33 } Piscium. 8 Andromedæ. d } Piscium. 47 } 28 Andromedæ. 51 } Piscium. π } Andromedæ. δ } ξ Cassiopeiæ. β Ceti. ζ Andromedæ. 2 φ } Ceti. 26 } 1 ↓ Piscium. β Andromedæ. φ Piscium. D 1st L. 11 ^h 52' 5",08 mean time. D 2d L. ζ Eridani. 59 } 2 τ } Arietis. 65 } β Leonis. Pole Star; below. Arcturus.
7.	53— 47 5 52 28— 53 8½	52 33— 47 46 21 7½ 57 39 10 0½ 41 9½ 53 8½	14 50 58— 53 13× 3 48 27 50 32½ 4 21 48+ 4 58 34½ 5 2 40 10 44+ 19 23½ 21 33+ 23 20½ 26 20½ 29 42+ 32 35 36 1½ 39 26 41 48½ 9 35 58 38 39½ 47 7 55 10	38 54— 51 13 22 28+ 59 30 11 28½ 42 27½ 50½	52 18 54 34— 51 54 29½	☉ 1st L. ☉ 2d L. D 1st L. 12 ^h 38' 13",63 mean time. D 2d L. Aldebaran. Capella. Rigel. β Tauri. δ } λ } Orionis. ι } σ } b } 129 Tauri. x } Orionis. 55 } α } 20 } μ } Leonis. π } η } Regulus; flut. foggy.
8.	53 38 26 50× 33 10— 37 23½ 51—	54 18+ 39× 48½ 38 2	14 54 58½ 57 14½ 18 28 28½ 19 34 28 38 41+ 43 8×	57 55 28 18 35 7½ 20× 47	58 35+ 29 7— 46 59— 25½	☉ 1st L. ☉ 2d L. α Lyræ. γ } α } Aquilæ. β }

IN NOVEMBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
	" "	" "	H " "	" "	" "	
8.	42 26½	43 11 7	22 43 56+ 21 48	44 41½	45 25½	<i>Fomalhaut.</i> <i>Aldebaran.</i> D 2d L. 13 ^h 27' 5", 64 mean time. <i>Capella.</i> <i>Rigel.</i> β <i>Tauri.</i> A } δ } λ } <i>Orionis.</i> ι } α } γ <i>Geminorum.</i> 15 <i>Monocerotis.</i> Gem. 16 <i>Monocerotis.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Pole Star</i> ; below. <i>Arcturus.</i>
			4 41 23+ 58 34+ 5 2 39½ 10 44+ 17 35 19 23+ 21 33 23 20+ 41 48½ 6 23 27+ 27 22+ 31 25½ 33 4 34 13+ 7 18 50x 26 20½ 30 11+ 12 44 28:: 14 4 20-	42 4 59 30- 28+ 27+ 34 54- 19 35+ 26 59- 30 55+ 2 57 5 1		
	2 57½	38½	14 59 0½ 15 1 16½ 19 34 28+ 21 10 37+ 18 30½ 20 55+ 23 12- 26 7+ 28 4+ 31 47+ 34 40+ 38 53+ 41 26+ 44 52 46 34½ 48 51½ 50 30 53 3½ 55 29½ 57 42½ 22 1 14+ 3 45+ 7 9+ 8 51- 11 12½ 13 6½ 16 5 18 43+ 21 7+ 22 38 26 55½ 29 7+ 31 25+ 34 37+ 36 28+ 39 41+ 41 40 43 56 50 35 52 27 56 13+ 59 15+ 23 7 45- 9 57- 13 4 16 39½ 20 18- 26 5- 28 42 28 53½	59 41 57 39 20 39 58½	0 21+ 2 37+ 39 58½	
9.	57 40 59 56- 23+	58 20- 0 36½ 48+ 2-				© 1st L. © 2d L. γ } <i>Aquila.</i> α } ε } <i>Pegasi.</i> β <i>Aquarii.</i> 37 } <i>Capricorni.</i> ε } 4 } <i>Pegasi.</i> 1 d } <i>Capricorni.</i> 1 c } 12 } 14 } <i>Pegasi.</i> 15 } 17 } η <i>Piscis Australis.</i> 20 <i>Pegasi.</i> o } <i>Aquarii.</i> α } ι } <i>Pegasi.</i> θ } λ <i>Piscis Australis.</i> θ } ρ } γ } <i>Aquarii.</i> 51 } 53 } 5 } 38 <i>Pegasi.</i> v } <i>Aquarii.</i> η } ε <i>Piscis Australis.</i> ζ } η } <i>Pegasi.</i> λ } 2 τ } λ } <i>Aquarii.</i> 78 } <i>Fomalhaut.</i> o <i>Andromedæ.</i> α <i>Pegasi.</i> 1 c <i>Aquarii.</i> 59 <i>Pegasi.</i> b <i>Piscium.</i> 1 b <i>Aquarii.</i> 68 } <i>Pegasi.</i> q } 4 b <i>Aquarii.</i> ι <i>Andromedæ.</i> 1 A } <i>Aquarii.</i> 2 A }
		43 11-		44 41		

In NOVEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
9.			23 33 45½ 36 48- 38 33+ 42 29+ 46 37+ 52 40+ 56 10 58 39+ o 44 38 10 19 45 12 41 26 14 4 19½			19 } <i>Piscium.</i> 21 } 5 A <i>Aquarii.</i> 26 } u } <i>Piscium.</i> 33 } β <i>Cassiopeiæ.</i> f <i>Ceti.</i> Pole Star; above. γ <i>Leonis.</i> 37 <i>Leonis Minoris.</i> Pole Star; below. <i>Arcturus.</i>
10.	1 42½ 3 58½ 26 49½ 23	2 23- 4 39 27 38½ 1½ 32 1	15 3 3x 5 19½ 19 28 28- 38 40½ 20 32 55 22 43 56- 53 21 57 2+ 59 15 23 1 30+ 3 43+ 6 4+ 7 44+ 10 36+ 13 1 15 24½ 18 41+ 21 25½ 25 32+ 28 18- 34 1+ o 44 38½ 5 38 21+ 41 48+ 6 24 27 34 13- 7 18 50- 26 20+ 30 11 11 0 54- 36 23½ 12 44 25 14 4 19½	3 44- 6 0 29 17½ 33 49	4 24 40+ 30 6½ 58+	⊙ 1st L. ⊙ 2d L. α <i>Lyrae.</i> α <i>Aquila.</i> α <i>Cygni.</i> <i>Fomalhaut.</i> 1 c <i>Aquarii.</i> m } <i>Pegasi.</i> 59 } φ <i>Aquarii.</i> 61 <i>Pegasi.</i> 3 ↓ <i>Aquarii.</i> b <i>Pisium.</i> 66 <i>Pegasi.</i> 2 b <i>Aquarii.</i> 69 <i>Pegasi.</i> 3 b <i>Aquarii.</i> 14 <i>Pisium.</i> 1 λ } x } <i>Andromedæ.</i> ↓ } Pole Star; above. 138 <i>Tauri.</i> α <i>Orionis.</i> γ 2d L. 15h 2' 1", 27 mean time. <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> δ } <i>Leonis.</i> β } Pole Star; below. <i>Arcturus.</i>
11.	5 46+ 8 2½ 26 49½ 9+	6 26+ 8 43 27 38½ 48+ 26 4 9-	15 7 7- 9 23½ 18 28 28- 19 34 27½ 38 40½ o 44 34½ 5 10 43+ 29 41½ 32 7½ 34 26+ 39 36+ 41 48- 7 8 24+ 10 22+ 16 7+ 26 20+ 30 10½ 12 44 25 14 4 19½	10 47½ 4 29 17½ 19+ 3 10½	8 28- 44½ 30 6+ 58+ 27-	⊙ 1st L. ⊙ 2d L. α <i>Lyrae.</i> γ } <i>Aquila.</i> α } Pole Star; above. β <i>Tauri.</i> b <i>Orionis.</i> τ } <i>Aurigæ.</i> 56 } <i>Orionis.</i> α } A } <i>Geminorum.</i> i } γ 2d L. 15h 49' 37", 37 mean time. <i>Procyon.</i> <i>Pollux.</i> Pole Star; below. <i>Arcturus.</i>
12.	9 50½ 7 33 9 37 22½ 41 50:	10 30½ 12 47 38 1½ 42 28½ 36 56½	15 11 11 13 28- 19 34 27½ 38 40½ 43 7½ 21 35 8- 38 14-	14 52 9- 35 6½ 39 19½ 46½	32½ 49 45½ 58 25-	⊙ 1st L. ⊙ 2d L. γ } α } <i>Aquila.</i> β } φ <i>Ursæ Majoris</i> ; below. 10 <i>Cephei.</i>

In NOVEMBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 12.			21 39 48 46 31+ 49 37 53 43 55 29+ 59 47:: 22 2 5 7 38: 10 48 14 37½ 19 2½ o 44 35½ i Cloudy	3 9		78 Draconis. μ Cephei. 79 Draconis. 14 } Cephei. 16 } 32 } λ } Ursa Majoris; below. μ } 2 Lacertæ. 36 } Ursa Majoris; below. 37 } Pole Star; above. D 2d L.
☉ 14.			21 22 48½ 28 50½ 31 10 35 8- 37 36½ 39 48- 46 31½ 49 36½: 53 43- 55 28+ 22 4 53 10 48 14 37 19 2 19 58½ 24 28 35 38- 40 53½ 46 43½ 48 13 51 47½ 55 59½ 59 3 23 1 29+ 4 20- 6 33 8 44 12 46- 15 24½ 21 6 25 31½ 29 51½ 33 44½ 36 47- 39 51+ 45 11+ 49 8- 52 39+ 55 38+ 57 33+ o 0 31+ 6 48+ 9 39- 12 43+ 15 11+ 17 8 19 38½ 23 21+ 25 59 29 54 31 50½ 34 22½ 40 34- 42 10: 50 20½ 56 16		28 3	71 ⁿ Cephei. 45 Lynx; below. 9 Cephei. φ Ursa majoris; below. 2 π Cygni. 78 Draconis. μ Cephei. 79 Draconis. 14 } Cephei. 16 } 24 } 2 Lacertæ. 36; below. } Ursa majoris. 37 } δ } Cephei. 28 } 38 } Ursa majoris; below. 42 } i Cephei. β } Ursa Majoris; below. α } β Pegasi. A Piscium. 6 Andromedæ. φ Aquarii. γ Piscium. 96 Aquarii. 63 } Pegasi. 67 } θ } Piscium. q. γ } 1 λ Andromedæ. 2 π Aquarii. 19 } 21 } Piscium. 23 } ↓ Pegasi. 29 } Piscium. 33 } α } Andromedæ. 22 } γ Pegasi. i Ceti.:. 42 } 44 } Piscium. 47 } 28 Andromedæ. 51 Piscium. ξ Cassiopeiæ. Pole Star; above *i. e. 1 ^h 3' 6". 21 } 23 } Cassiopeiæ. η } 1 υ } 9 Draconis; below. 78 Ursa majoris. θ Cassiopeiæ.

In NOVEMBER MDCCCLVI.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
14.	11 30—	12 38½	1 5 0: 9 56½ 13 48— 15 9 21 11½ 23 0—	25 37		35 { <i>Cassiopeiæ</i> . 81; below. } <i>Ursæ majoris</i> . <i>Alcore</i> . <i>Persei</i> . 82 } <i>Ursæ majoris</i> . 83 } <i>Ursæ majoris</i> ; below. <i>Cassiopeiæ</i> . 47 <i>Cassiopeiæ</i> . <i>Draconis</i> . <i>Arietis</i> . <i>Draconis</i> ; below.
15.	38 37½	39 17+	10 39 57+		41 17	2d L. 18 ^h 57' 10", 01 mean time.
16.	33 2 37 50½ 44 20	34 20— 39 21+ 45 31½	21 54 42— 9 55 9+ 10 5 53+ 10 47+ 13 48½ 19 13+ 35 38½ 40 53— 46 44 48 14— 55 38½ 11 0 53½ 0 44 23:	55 49	56 58+	14 <i>Cephei</i> ; below. <i>Regulus</i> . <i>Cephei</i> ; below. 2; below. } <i>Lacertæ</i> . 3 } 5 } 42 <i>Ursæ majoris</i> . <i>Cephei</i> ; below. <i>Ursæ majoris</i> . <i>Leonis</i> . <i>Pole Star</i> ; below.
17.	43½	33 24+	15 31 47½ 34 5	28½ 46	27—	1st L. 2d L.
18.	35	15½ 47+ 38 1 Clouds	15 35 57— 38 15+ 19 34 26+ 38 40 20 32 55 21 11 49 25 13+ 33 13 35 8 39 47½ 46 31½ 53 43 55 28 22 2 13 4 53+ 10 48— 14 37— 19 58+ 35 38 40 53½ 46 43+ 48 13 53 7 56 12+ 23 1 3½ 16 22½ 21 12 25 31½ 29 26 32 51— 41 39— 45 11+ 49 8 52 39+ 55 38½ 57 33+ 0 0 31 4 15— 6 48+ 15 11+ 44 43	35 6 39 19 17½ 15½ 18½	36½	1st L. 2d L. <i>Aquilæ</i> . <i>Cygni</i> . <i>Ursæ majoris</i> . <i>Cephei</i> . <i>Ursæ majoris</i> ; below. <i>Draconis</i> . <i>Cephei</i> . <i>Lacertæ</i> . <i>Ursæ majoris</i> ; below. <i>Cephei</i> . <i>Ursæ majoris</i> ; below. <i>Andromedæ</i> . <i>Cassiopeiæ</i> . <i>Cephei</i> . <i>Draconis</i> ; below. <i>Andromedæ</i> . <i>Cephei</i> . <i>Ursæ majoris</i> ; below. <i>Pegasi</i> . <i>Pisium</i> . <i>Andromedæ</i> . <i>Pegasi</i> . <i>Andromedæ</i> . <i>Ceti</i> . <i>Pisium</i> . <i>Pole Star</i> ; above.

In NOVEMBER MDCCCLVI.

DAY of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
4 18.		3+ 41 26+	7 13 3½ 16 1½ 18 49+ 26 20 30 10½ 33 49½ 38 21½ 9 25 12 33 13— 39 47 46 30+ 55 27— 10 2 14 4 52+ 10 48— 14 37+ 19 58— 40 52+ 46 44— 48 13½ 53 6+ 56 12— 11 16 22+ 12 44 26	35 59 55		ρ Geminorum. ο Canis minoris. Castor. Procyon. Pollux. τ Navis. φ Geminorum. β Cephei; below. υ Ursa majoris. γ8 Draconis; below. μ } 16 } Cephei; below. ζ } 24 } 2 Lacertæ. 36 Ursa majoris. δ } Cephei; below. ι } β } Ursa majoris. α } 3 Andromedæ; below. ε Cassiopeiæ; below. λ Draconis. Pole Star; below.
8 19.	38 46 33 9— 37 22+	39 26+ 38 1—	15 40 7 18 42 26+ 19 34 27— ο 44 33 10 40 53— 46 44 48 14— 53 6 56 11½ 59 11+ 11 9 32 16 22 12 43 20::	43 7 29 16½ 39 19	43 47½ 30 5½ 35 45½ 57½	⊙ 1st L. ⊙ 2d L. α Lyra. γ; faint, hazy. } Aquilæ. α } Pole Star; above. ι Cephei; below. β } Ursa majoris. α } 3 Andromedæ; below. ε; below. } Cassiopeiæ. 2 } ο Cephei; below. λ Draconis. Pole Star; below.
7 20.	57— 2 56½	43 37½ ο½ 3 37½	15 44 19— 46 37 18 28 27— 19 38 39½ 12 44 21:: 14 4 18½	47 18+ 29 16+ faint 5 ο—	59 41—	⊙ 1st L. ⊙ 2d L. α Lyra. α Aquilæ. Pole Star; below. Arcturus.
⊙ 21.	47 9 49 27½ 26 48× 33 8 37 21½ 31 6:	50— 50 8½ 27 37 47: 38 ο½ 32 ο—	15 48 31— 50 49½ 18 28 26½ 19 34 26½ 38 39½ 20 32 54— ο 44 31	49 12× 51 31— 29 16× 35 5½ 39 18½ 33 48×	53 11½ 52 5× 30 5× 44½ 57 41½	⊙ 1st L. ⊙ 2d L. α Lyra. γ } Aquilæ. α } α Cygni. Pole Star; above.
δ 23.			10 36 12— 42 8+ 45 30— 47 52+ 50 54— 52 12— 54 14+ 11 0 52+ 4 2+ 8 31+ 11 17½ 16 22 20 50 24 6 29 22½ 36 22+ 40 38+ 12 44 20::	faint		1 } Leonis. 54 } 47 Ursa majoris. c } g } x } Leonis. 65 } δ } φ } ο Cephei; below. 79 Leonis. λ Draconis. ξ } Hydræ et Crateris. 9 } γ Cephei; below. β Leonis. γ Ursa majoris. Pole Star; below.
8 24.	49	30+ 27 37—	16 1 12— 3 31 18 28 26+	12½ 29 15+	53+	⊙ 1st L. ⊙ 2d L. α Lyra.

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DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
24.	33 7½ 37 21:	38 0— 41 46— 49 27½ 7 42½ 21 38 32 21— 44 19 54 28½ 36½	19 34 26— 38 39— 22 43 53½ 0 42 57½ 0 44 30 50 6½ 52 4— 57 49½ 1 1 50½ 4 2 5 2 7 9— 9 1 31 3 23— 5 7½ 8 21½ 10 11+ 12 59 15 16 18 34— 22 18½ 23 20½ 27 20 30 12½ 33 0½ 34 5— 37 35½ 39 23½ 58 47 5½ 55 8½ 14 4 18—	35 5+ 39 18 48+	44— 56½ 45 20:: 27½	γ } <i>Aquilæ</i> . α } <i>Fomalhaut</i> . ε <i>Ursæ majoris</i> ; below. Pole Star; above. ε } <i>Piscium</i> . 73 } <i>Ceti</i> . 33 } <i>Pisium</i> . 88 } <i>Ceti</i> . 39 } <i>Pisium</i> . f } <i>Ceti</i> . 42 } <i>Ceti</i> . 82 } <i>Cancr.</i> 39 } <i>Lyncis</i> . 83 } <i>Cancr.</i> 27 } <i>Hydræ</i> . κ <i>Leonis</i> . A <i>Hydræ</i> . 3 } ε } 7 } 8 } 13 } <i>Leonis</i> . ↓ } 18 } 19 } 23 } 7 } <i>Sextantis</i> . 10 } 11 } π <i>Leonis</i> . <i>Regulus</i> . <i>Arcturus</i> .
25.	4+ 47+ 21—	4 45 36½ 59½ 19½ 8½	16 5 27— 7 46+ 18 28 26 19 38 38½ 21 30 59— 34 38— 37 34½ 41 45 44 49½ 47 43 50 27½ 53 0+ 57 40+ 22 0 12½ 3 43+ 8 49½ 11 10+ 13 59 19 11+ 22 35½ 24 50½ 26 53+ 34 35 38 2+ 41 27 43 53½ 50 32+ 52 24½ 54 30+ 56 11 59 13— 23 1 27+ 3 40½ 6 2+ 8 23 12 59 16 42½ 52 38— 55 37½	27½ 15+ 18— 38+ 38½	9 9 4½ 56+ 38½	⊙ 1st L. ⊙ 2d L. α <i>Lyræ</i> . α <i>Aquilæ</i> . ε } <i>Pegasi</i> . 11 } 2 π <i>Cygni</i> . 16 } <i>Pegasi</i> . 17 } 18 } 0 } <i>Aquarii</i> . 1 } θ <i>Pegasi</i> . λ <i>Piscis Australis</i> . θ } γ } <i>Aquarii</i> . 51 } 34 } <i>Pegasi</i> . 5 } <i>Lacertæ</i> . η <i>Aquarii</i> . 8 } <i>Lacertæ</i> ; double. ε } <i>Piscis Australis</i> . λ } <i>Pegasi</i> . μ } δ <i>Aquarii</i> . <i>Fomalhaut</i> . o <i>Andromedæ</i> . α } <i>Pegasi</i> . 1 } 1 c <i>Aquarii</i> . 59 } <i>Pegasi</i> . φ <i>Aquarii</i> . 61 } <i>Pegasi</i> . 3 ↓ <i>Aquarii</i> . τ <i>Pegasi</i> . 2 b <i>Aquarii</i> . 11 } <i>Pisium</i> . 33 } α <i>Andromedæ</i> .

IN NOVEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
24 25.			23 57 18½ 0 0 29+ 2 13+ 4 13+ 6 47 9 37½ 11 49½ 15 9½ 17 23- 22 29+ 25 31+ 31 7 34 15+ 42 57 44 28½ II 15 10- 17 38- 21 39 24 14 x 25 38½ 33 5½ 36 22 x 37 45½ 40 38 x			34 <i>Piscium.</i> γ <i>Pegasi.</i> 35 <i>Piscium.</i> δ <i>Andromedæ.</i> ι <i>Ceti.</i> 42 } 43 } <i>Piscium.</i> 47 } 12 } <i>Ceti.</i> 13 } ε <i>Andromedæ.</i> β <i>Ceti.</i> ζ <i>Andromedæ.</i> ε <i>Ursæ majoris</i> ; below. Pole Star; above. τ } e } <i>Leonis.</i> 89 } υ } ω } <i>Virginis.</i> ν } β <i>Leonis.</i> β <i>Virginis.</i> γ <i>Ursæ majoris.</i>
26.	55½	36½	16 12 3- 14 4 18-	44½	13 25½ 40-	⊙ 2d L. <i>Arcturus.</i>
27.	12 37½ 57½ 37 21- 33 4- 43 3I 51 4I 30 53 56 45½	13 18 x 38½ 59½ 44 10½ 52 20½ 13 24½ 17 47½ 34 18 37 16- 43 8½ 57 58½ 14 24 19 13½ 26 38 31 50½ I 44½ 10 45½	16 14 0- 16 20 19 38 38½ 21 28 2- 29 31- 30 27½ 21 34 25½ 39 45 41 2½ 44 10½ 48 50½ 50 12+ 53 1- 22 14 36 19 1½ 24 44 35 36½ 38 24 40 52½ 46 42½ 48 12 50 32½ 51 13 55 37 59 10½ 23 6 18½ 16 20½ 21 10 28 21½ 32 50- 35 4- 36 54½ 40 38- 42 8 46 34+ 51 39 53 46 59 12½ 0 2 59- 8 39- 11 49½ 12 59:	41½ 17 1½ 39 17½ 35 7- 36 16 20 32½ 18 17	21½ 43- 50½ 48- 56½ 28 1½	⊙ 1st L. ⊙ 2d L. α <i>Aquilæ.</i> Before α <i>Aquilæ</i> passed, I examined the Axis with Lord Macclesfield's Level, and found the west end 1"½ or 2" too high; but before the Star passed, I altered it. The mark was right. 1 d } 2 d } <i>Capricorni.</i> 45 } D 1st L. 5 ^h 6' 38", 18 mean time. D Center. μ <i>Capricorni.</i> 16 } <i>Pegasi.</i> 17 } 29 } 30 } <i>Aquarii.</i> 36 } <i>Ursæ majoris</i> ; below. 37 } 26 <i>Cephei.</i> 38 } 42 } <i>Ursæ majoris</i> ; below. 44 } ι <i>Cephei.</i> <i>Fomalhaut.</i> β } <i>Ursæ majoris</i> ; below. α } ο } <i>Andromedæ.</i> 2 } ↓ <i>Ursæ majoris</i> ; below. 2 <i>Cassiopeiæ.</i> 8 <i>Andromedæ.</i> λ } 2 } <i>Draconis</i> ; below. 3 } x <i>Ursæ majoris</i> ; below. τ } <i>Cassiopeiæ.</i> σ } γ <i>Ursæ majoris</i> ; below. ρ } σ } <i>Cassiopeiæ.</i> 9 } 10 } 68; below. } δ; below. } <i>Ursæ majoris.</i> 70 } 5 <i>Can. Venat.</i> below. 71 <i>Ursæ majoris</i> ; below.

In NOVEMBER MDCCCLVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
27.	40 35—	25 56½ 29 3 33 57½ 41 45½	0 15 37 20 17½ 44 33 30 31 42 57— 10 35 45 40 50 46 43+ 59 59 11 8 31— 13 54— 21 12 28 22+ 32 50 35 2½ 40 38½ 46 33 56 6½ 12 44 14 13 12 8½ 14 4 17½ 19 33+	22 44		73 <i>Ursæ majoris</i> ; below. 16 <i>Castropeia</i> . 8 <i>Can. Venat.</i> below. Pole Star; above. 76 <i>Ursæ majoris</i> ; below. 7 <i>Castropeia</i> . ε; below. } <i>Ursæ majoris</i> . 43 ι <i>Cephei</i> ; below. β <i>Ursæ majoris</i> . π { <i>Cephei</i> ; below. ο δ <i>Castropeia</i> ; below. 2 } <i>Draconis</i> . 3 } χ <i>Ursæ majoris</i> . τ <i>Castropeia</i> ; below. γ <i>Ursæ majoris</i> . σ } <i>Castropeia</i> ; below. β Pole Star; below. <i>Spica Virginis</i> . <i>Arcturus</i> . Jupiter's Center. 21 ^h 49' 1", 34 mean time.
28.	16 54½ 19 14½ 22 29 11½ 39 4 42 23½	17 35½ 56— 36— 31 59— 21 57— 34 45½ 43 8 47 50	16 18 17× 20 37+ 18 28 25½ 20 32 53 22 24 53 30 32— 35 25 40 23½ 41 27 53½ 48 29 49 38½ 51 14½ ο 44 32	59— 21 19 15 47— 23 14+ 31 12+ 32 20 36 5— 44 38½	19 40: 22 0 4 52½ 33 0 45 23	ο 1st L. ο 2d L. α <i>Lyræ</i> . α <i>Cygni</i> . η { <i>Aquarii</i> . κ D 1st L. 5 ^h 58' 39", 34 mean time. D Center. 70 } <i>Aquarii</i> . 74 } δ Fomalhaut. 81 } <i>Aquarii</i> . 82 } β <i>Pisium</i> . Pole Star; above.
29.	55+		12 44 13 The mark appeared too bright on the left hand. I then adjusted it. 36× 14 4 17½	58½	39½	Pole Star; below. <i>Arcturus</i> .
30.	Clouds		16 27 53½ Clouds	55½	36½	ο 1st L. ο 2d L.
1 DEC.	26 46½ 37 20—	Clouds 27 35½ 58½	16 33 33½ 18 28 25— 19 38 38—	Clouds 29 14½ 39 17—	55½	ο 1st L. ο 2d L. α <i>Lyræ</i> . α <i>Aquile</i> . 2 Dec. Mane, I wound up the Clock.
3.	40 22× 48 3+ 56 10	41 2½ 41½: 50½	2 41 42½ 53 32— 57 31—	42 23— 43 28½ 49 59½ 58 12—	43 3— 44 7 50 37½	D 1st L. 9 ^h 49' 29", 86 mean time. D Center. α <i>Ceti</i> . 53 <i>Arietis</i> . δ <i>Arietis</i> .
8.	46+ 54+	57 27+ 35+	6 58 9½: 14 4 16+		59 32½ 38×	D 2d L. very dubious. 13 ^h 45' 36", 31 mean time. <i>Arcturus</i> .
9.			ο 44 26			Pole Star; above.
13.	22½ 45 18+	23 4+ 34× 57 31 56+ 21 21½	17 23 47— 26 8½ 18 28 23½ 19 38 36+ 20 32 50½ 22 36 23+ 37 59½ 43 51+ 50 30 55 35 23 1 11½ 6 15+ 8 29 12 26—	26 50½	27 32½ 2 38 21—	ο 1st L. ο 2d L. α <i>Lyræ</i> . α <i>Aquile</i> . α <i>Cygni</i> . 2 τ <i>Aquarii</i> . μ <i>Pegasi</i> . Fomalhaut. ο <i>Andromedæ</i> . ↓ <i>Ursæ majoris</i> ; below. 7 } <i>Andromedæ</i> . 8 } ο <i>Cephei</i> . 2 b <i>Aquarii</i> .

In DECEMBER MDCC LVI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
13.			23 18 37 20 13+ 28 13 35 1 56 5 0 44 24 1 47 15 50 27½ 53 15 57 19½ 58 58 2 1 22- 3 27 4 21 44- 54 54+ 58 30½ 5 2 35+ 8 7- 10 40+ 17 34 21 29+ 23 17- 26 16½ 28 14 33 50½ 35 58- 39 22- 41 45- 6 34 9½ 7 18 46+ 26 17- 30 8- 11 10 35½			3 b { Aquarii. 4 b { Andromedæ. τ; windy. } Cassiopeiæ. β Pole Star; above. 112 Piscium. 60 Ceti. α Arietis. h Persei. η Arietis. η Trianguli. 61 Andromedæ. Aldebaran. ε Leporis. Capella. Rigel. λ Leporis. β Tauri. β Leporis. λ } Orionis. i } Orionis. σ } Orionis. ξ } Orionis. 132 Tauri. x } Orionis. 55 } Orionis. α } Orionis. Syrus. Castor. Procyon. Pollux. D 2d L. 17h 37' 41", 74 mean time.
14.			0 44 22 55 55x 58 3½ 1 0 19+ 2 8+ 4 59½ 7 28 9 52 11 35x 18 59½ 22 32- 27 42+ 29 44+ 31 9 33 9+ 34 46- 36 56 40 59 44 9½ 46 1½ 48 49 53 15 58 58 2 1 22 4 23- 6 48+ 11 32½ 14 59+ 17 5 22 52 24 47½ 26 46 27 58 30 27+ 32 17 4 15 43+ 21 44- 12 0 44+			Pole Star; above. β Andromedæ. τ } Piscium. φ } Piscium. 38 Ceti. f } Piscium. l } Piscium. δ Cassiopeiæ. θ Ceti. x Cassiopeiæ. 101 Piscium. d Trianguli. 82 } Ursæ majoris; below. 83 } Arietis. 3 } Arietis. 4 } Cassiopeiæ. β } Arietis. λ } Persei. 4 Persei. γ Andromedæ. α } Arietis. η } Trianguli. 1 θ Arietis. o Ceti. ξ Arietis. 2 ξ Ceti. 14 Trianguli. v Ceti. v Arietis. δ Ceti. α Ursæ minoris; below. γ } Ceti. π } Eridani. 44 Eridani. Aldebaran. D 2d L. 18h 23' 46", 22 mean time.
15.	14+	31 56	17 32 38+			© 1st L.

In DECEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
☉ 19.			I 9 53— 11 36+ 13 20+ 18 14½ 22 28+ 23 58+ 26 3½ 28 18: 31 26— 32 30+ 39 11½ 40 59× 42 59 48 3+ 48 16+ 52 45— 54 54 58 58½			δ Cassiopeiæ. θ Ceti. 94 } Piscium. η } 49 Ceti. π Piscium. τ Andromedæ. 54 - - - φ Persei. 109 Piscium. τ } Ceti. 1 } β Arietis. f Cassiopeiæ. 57 } Ceti. 2 υ } α Arietis. β Trianguli. Hazy. η Arietis. Hazy.
	24—	21 4 36	4 21 44+ 58 31	22 24½ 27	4+ 21+	Aldebaran. Capella. Rigel.
	18	57 57+	5 2 36+ 8 7½ 10 41+ 14 4+ 16 40 19 20 21 13 21 30+ 26 17+ 28 14+ 31 45½ 33 40½: 35 41× 37 48 41 45+ 44 4 54 16 58 52—:		15 25+	λ Leporis. β } Tauri. 118 } χ Aurigæ. δ } 38 } Orionis. α } ε } 12 Leporis. 130 Tauri. ζ Leporis. 136 Tauri. α Orionis. Pole Star; below. 31 Cassiopeiæ; below. 53 Virginis. γ Hydræ. 21 Canum Venat. δ Cassiopeiæ; below. Spica Virginis. χ Cassiopeiæ; below. ζ Virginis. 81 Ursæ majoris. ι Bootis.
	27	6+	12 44 4 54 16 58 52—: 13 5 28+ 7 33+ 9 52 11 28+ 12 8— 17 59½ 22 2 24 25½ 28 46— 36 55½ 42 12		24+ 12 47	3+ 26— q. 48 e.
	55	3 36—	14 4 17+	4 58×	39	Arcturus.
8 22.		36	4 17+	58½	39½	Arcturus.
☿ 23.	48—	7 30—	18 8 12— 10 34½ 19 38 37+ 20 32 51+: 22 43 52 0 12 40½ 15 5+ 17 5 44 12 54 18½ 58 4 I 0 47 1 53 4 0+ 5 54 7 53— 9 53 11 36½ 13 20½ 18 15 22 29— 23 59— 26 4	11 17— 39 16 44 37	59— 39 22	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. Fomalhaut. 44 } Piscium. 46 } 28 Andromedæ. Pole Star; above. 31 Cassiopeiæ. τ } Piscium. double. ζ } 37 } Ceti. 39 } υ Piscium. 46 Andromedæ. δ Cassiopeiæ. θ Ceti. 94 } Piscium. η } 49 Ceti. π Piscium. τ Andromedæ.

In DECEMBER MDCC LVI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
23.			1 28 19- 32 30½ 36 56+ 39 12 41 0 48 4- 48 17 52 45+ 58 59 21 4½ 4 21 45- 55 39 36 58 31+ 57+ 5 2 37- 8 8 57+ 10 41+ 12 44 1 13 5 29- 7 33+ 9 52 22 2+ 36 55½ 42 49 46 57+:			54 (φ Persei). τ Ceti. ε Cassiopeiæ. ι ζ Ceti. β Arietis. 57 } Ceti. 2 υ } κ } Arietis. η } Aldebaran. h Eridani. 22- Capella. 54½ Rigel. λ Leporis. β Tauri. Pole Star; below. γ Hydræ. 21 Canum Venat. δ Cassiopeiæ; below. Spica. } Virginis. misty. ζ } ε Cassiopeiæ; below. η } Boötis. c }
30.	25 12- Clouds 41½	51½ 4½ 37- 58	2 26 31+ 4 21 44½ 58 32 5 2 37 9 49½ 10 42+ 14 5+ 16 41 19 21 21 14+ 21 31 23 38½ 26 18+ 28 15 33 52 35 59 41 46+	22 25+ 28- 16-	27 51+ 5 22+ 55-	D 1st L. 7h 48' 11",88 mean time. Aldebaran. Capella. Rigel. m Orionis. β } Tauri. 118 } χ Aurigæ. δ } 38 } λ } Orionis. ε } σ } ζ } 132 Tauri. κ } Orionis. α }
	28	7+		Clouds	4	

In JANUARY MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
1 JAN.	43	47 25 36	18 48 7- Clouds 18 28 25½:	51 11 x 15	52½	⊙ 1st L. ⊙ 2d L. α Lyreæ.
2.	8- 25+ 19 x 19 17 x 2- 47-	51 50 31 59- 34+ 3+ 55 0+ 58+ 7+ 3- 26- 36	18 52 32- 54 53½ 19 38 38½: 20 32 52 0 39 24 44 6 1 53 16 4 21 45+ 55 42 5 2 37+ 41 46½ 7 18 48½ 26 19+ 30 10 18 28 25+	55 36 17½ 33 46 Windy 58- 26- 16½ 25½ 34+ 58 54	17+ 55½ 40 39½ 4½ 4+ 57 4+ 55+ 4+ 19½ 36+ 37+ 3½	⊙ 1st L. ⊙ 2d L. α Aquilæ; very faint. α Cygni. above 5° 6'. Pole Star; above. α Arietis. Aldebaran. D 1st L. 10h 5' 9",98 mean time. Rigel. α Orionis. Castor. Procyon. Pollux. α Lyreæ.

In JANUARY MDCCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars
D 3.	33—	56 14+	18 56 56— 59 18	0+	41½	☉ 1st L.
					39 56	☉ 2d L.
		31 59	20 32 52	46	40	α Aquilæ.
			1 34 47+			α Cygni.
			36 57			4 Arietis.
			39 12+			ε Cassiopeiæ.
			40 44—			1 ζ Ceti.
			42 59			ξ Piscium.
			45 1+			f Cassiopeiæ.
			47 16½			1 υ Ceti.
			49 14			112 } Piscium.
			50 29½			α
			52 46—			60 Ceti.
			54 54½			κ Arietis.
			57 51			β Trianguli.
			59 53+			60 Andromedæ.
			2 1 43×			1 ζ Ceti.
			3 29			21 Arietis.
			4 37:			62 Andromedæ.
			6 50—			67 Ceti.
			9 19+			ο Ceti Pełora.
			11 34			65 Andromedæ.
			12 53			ξ Arietis.
			13 57			d Trianguli.
			15 0½			p } Ceti.
			16 48			2 ξ
			19 22½			26 } Arietis.
			22 28+			29 }
			23 48—			77 } Ceti.
			25 12½			80 }
			26 17+			81 }
			27 34—			33 Arietis.
			29 0			ε Ceti.
			30 28+			35 Arietis.
			31 35			γ } Ceti.
			33 15			μ }
			35 29+			ζ } Arietis.
			36 22			41 }
			37 51½			r } Persei.
			39 45½			σ }
			42 31—			2 τ Eridani.
			44 19—			1 ρ Arietis.
			47 7			η Eridani.
			49 21			γ Persei.
			51 26—			1 ρ } Eridani.
			53 32			11 }
			55 27			53 Arietis.
			57 31½			ω Persei.
			3 0 8+			δ Arietis.
			3 47+			94 Ceti.
			5 49½			ζ Eridani.
			7 10			60 Arietis.
			10 13			1 κ Ceti.
			11 30+			65 Arietis.
			13 19			ο Tauri.
			15 28+			σ } Persei.
			17 15—			36 }
			19 5½			f Tauri.
			21 14½			↓ Persei.
			24 14+			ε Eridani.
			26 47½			10 Tauri.
			36 9—			2 ο Persei.
	25+	5	4 21 45+	26	5+	27 Eridani.
			26 49			Aldebaran.
			29 34+			53 }
			31 41+			54 } Eridani.
			33 7			55 }
			35 37—			μ }
			38 2			96 Tauri.
			41 1+:			3 }
			45 43+			5: } Orionis.
			48 21			10 }
			50 27+			ι Tauri.
						1 γ Orionis.

In JANUARY MDCC LVII.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
3.	42+ 19	37 58	4 52 15— 54 16½ 58 32+ 5 2 37 11 52— 14 5+ 16 41— 19 21+ 21 15 21 31 23 38: 26 18½ 28 15+ 39 23½ 41 46½ 47 0 6 16 47½ 19 11— 21 34— 27 21 28 43½ 31 24 34 11½	28— 16+ 25½	22 55 48 23+ 31½	1 <i>Leporis.</i> 21 <i>Tauri.</i> <i>Capella.</i> <i>Rigel.</i> 1 ↓ <i>Orionis.</i> 18 <i>Tauri.</i> x <i>Aurigæ.</i> δ } 1 φ } λ } ε } <i>Orionis.</i> σ } ζ } 55 } α } 1st L. 10 ^h 52' 23", 54 mean time. 12 } <i>Monocerotis.</i> double. 51 <i>Aurigæ.</i> 15 <i>Monocerotis.</i> ε } <i>Geminorum.</i> 2 ξ } <i>Syrus.</i>
4.	56+	0 38	19 1 20: Clouds	4 24		☉ 1st L. ☉ 2d L.
5.	42	5 37 58 2½	4 25 45+ 58 32+ 5 2 37 41 46+ 7 18 48½ 26 19+ 30 44 32 53+	Clouds 28 16 25+ 34+ 58	4 20— 36½	<i>Adcharan.</i> <i>Capella.</i> <i>Rigel.</i> α <i>Orionis.</i> <i>Castor.</i> <i>Procyon.</i> 1st L. 2d L. most distinct. 12 ^h 30' 7", 72 mean time.
6.	56	3— 26 37 32— 3	7 18 48+: Clouds 30 10 13 57 32 59 41+ 14 4 18 13 44— 21 4+ 23 49— 30 0 32 27+ 37 12— 47 43+ 51 22 53 45	34+ 58 Clouds 59½ 52—	36+ 40 49 3— 36 55	<i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> α <i>Draconis.</i> x <i>Virginis.</i> <i>Arcturus.</i> 8 <i>Hydræ Contin.</i> ρ } <i>Bootis.</i> σ } μ <i>Virginis.</i> 34 <i>Bootis.</i> α <i>Libræ.</i> Jupiter's Center. 19 ^h 39' 50" 68 mean time. β <i>Ursæ majoris.</i> φ <i>Bootis.</i> Venus's Center. α <i>Lyræ.</i>
7.	5+ 4—	13 47 59— 31 59—	19 14 28½ 16 51 38 38— 20 32 52+ 0 39 22 41 2 44 2 46 27: 46 35 55 56 1 36 56: 41 0 47 15½ 48 50 Clouds 2 33 15— 35 29— 36 56+ 39 45+ 43 3½ 47 6½ 49 26+	17 32— 39 16 x 46 53 58—	19 13+ 39 55½ 40+ 39	☉ 1st L. ☉ 2d L. α <i>Aquilæ.</i> α <i>Cygni.</i> above 5° 6'. above 4 13. Pole Star; above. 1 } <i>Hydræ Contin.</i> below. 2 } β <i>Andromedæ.</i> ε <i>Cassiopeiæ.</i> β <i>Arietis.</i> 112 <i>Piscium.</i> γ <i>Andromedæ.</i> α } 39 } <i>Arietis.</i> 41 } τ <i>Persei.</i> 2 τ <i>Eridani.</i> π } γ } <i>Persei.</i> 2 ρ }

In JANUARY MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 7.			2 50 59½ 52 58 54 48 57 31+ 3 0 8 3 47+ 5 49½ 8 33+ 10 12+ 11 30½ 15 28- 17 14+ 19 5 21 14 25 29+ 28 31½ 34 43 38 40- 40 26½ 43 1- 46 27 48 21- 5- 4 21 45 58 32- 5 2 37- 41 46 9 15 13-			52 Arietis. * Persei. 55 } Arietis. 94 Ceti. ζ Eridani. 60 } 2 τ } Arietis. 65 } o Tauri. 36 Persei. t Tauri. ↓ Persei. ε Eridani. δ } Persei. γ } e Tauri. ζ Persei. 30 Eridani. ξ Persei. γ Eridani. λ Persei. Aldebaran. 22 Capella. 54½ Rigel. 3½ α Orionis. 16 34+ D 2d L. 14h 4' 18",86 mean time.
☉ 9.	24½ 41 x 28+	4+ 36+ 57½ 7	4 21 45- 48 23+ 50 27 52 51+ 54 24+ 58 32 5 2 37- 41 46 5 15 13-	25- 27+ 16 25	5 23 55- 4	Aldebaran. 64 Eridani. 1 γ Orionis. m Tauri. i Orionis. Capella. Rigel. α Orionis.
☉ 16.			0 34 15+ 39 22½ 44 0 55 57 I 0 21: 26 22- 27 45- 31 28- 32 31 34 48- 36 57+ 39 13½ 41 1 42 59- 45 2- 53 17 2 4 47 13 58+ 16 49 19 23+ 22 29- 24 49½ 29 1 30 29+ 32 19½ 35 30 36 57 39 47- 43 4½ 46 29 49 21 6 4 21 46+ 17 16 59:: 18 28 26½			ξ Andromedæ. above 5' 6'. Pole Star; above. β Andromedæ. φ } Piscium. 113 } d Trianguli. 109 Piscium. τ Ceti. 4 Arietis. ε Cassiopeiæ. 1 ζ Ceti. β Arietis. 49 Cassiopeiæ. 1 υ Ceti. α Arietis. 63 Andromedæ. ρ Ceti. 26 } Arietis. 29 } 77 Ceti. γ } Arietis. 35 } γ } Ceti. π } 41 Arietis. τ Persei. 2 τ Eridani. π Persei. λ } Ceti. α } Aldebaran. D 2d L. 21h 29' 21",56 mean time. α Lyræ.
D 17.	40½	21½	19 57 43½ 20 0 3-	25- 44	6 I 25+	☉ 1st L. ☉ 2d L.
♂ 19.	43	38+	4 21 46½ 58 34-	26½ 29		Aldebaran. { very windy. Capella. }

In JANUARY MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8 19.	49	59½ 37½	5 2 39— 18 28 27	17+	6—	Rigel; very windy. α Lyræ.
24 20.	7— 26½ 21	9 48— 38½ 59+	20 10 20— 12 48— 4 21 47— 58 34 5 2 39 11 21— 13 53½ 16 43 19 23— 21 33— 22 55 26 9— 28 17+ 32 8 34 27 41 48+	13 29+ 27— 29 18½	9½ 7— 24 18—	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel. φ Aurigæ. ↓ Orionis. χ Aurigæ. δ } Orionis. λ } ζ Tauri. ω } Orionis. ς } τ } Aurigæ. ν } α Orionis.
6 22.	33½	18 14+ 7	20 18 56— 21 14+ 3 19 52+ 22 30½ 24 16 25 31+ 28 34— 31 24 32 52: 4 21 47+ 26 51— 29 36 33 9 40 45 42 31— 45 20 48 3— 50 29½ 53 12+ 54 58 58 34+ 5 2 39+ 39 25½ 41 48½ 46 49 48 48½	21 55+ 27	36 7+ 24+ 57 6+	⊙ 1st L. ⊙ 2d L. 7 } 9 } Tauri. 10 } δ } Persei. ν } δ Eridani. η Tauri. Aldebaran. 53 } 54 } Eridani. μ } ω } 10 Orionis. ζ Aurigæ. ι Tauri. 1 γ Orionis. 105 Tauri. ε Leporis. Capella. Rigel. 55 } Orionis. α } 141 Tauri. μ Orionis.
⊙ 23.	46— 27+ 44 21+	22 26½ 7+ 39 0+ 9½	20 23 8— 25 26— 4 19 15 21 47½ 58 34+ 5 2 39+ 39 25½ 41 48½ 46 49 48 48½	7 28— 30 18+	47+ 7+ 25 57	⊙ 1st L. ⊙ 2d L. 45 Eridani. Aldebaran. Capella. Rigel.
⊙ 24.	57	26 38—	20 27 19— 29 37	30 18	59	⊙ 1st L. ⊙ 2d L.
δ 25.	8 17 28— 28 45— 22 32 13 53	30 48 19 7 37 8 40 1 14 35 39½	20 Cloudy 33 47:: 1 18 46½ 53 19 4 21 48+ 58 35 5 2 40 41 49+ 18 15 17— 28 29—	27½ Clouds 28½ 31— 19+ 8+	20 5+ 58— 16 40+ 7	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. 4 ^h 58' 21",04 mean time. α Arietis. Aldebaran. } Very windy. Capella. } Rigel. } α Orionis; high wind. Venus's Center. 21 ^h 52' 5"13 mean time. α Lyræ.
8 26.	28½	8 14+ 8+ 40 1½	2 Cloudy 4 10 44— 12 42½ 14 16 15 48: 19 16 21 49+ 58 35½ 5 2 40½ 16 45	Clouds 29— 31+ 20—	Clouds 8½ 26 58+	⊙ 1st L. π } Tauri. ε } 44 } Eridani. 45 } Aldebaran. Capella. Rigel. χ Aurigæ.

In JANUARY MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
26.			5 19 6+ 21 50 23 9 26 11— 28 19: 32 10 34 29— 36 3 37 52½ 41 50	29		120 Tauri. α Leporis. 1 θ } Orionis. ω } ζ } τ } Aurigæ. ν } Orionis. 136 Tauri. α Orionis.
27.	32½ 57 12+	11 39 8— 57 52+ 9—	20 39 48½ 42 6— 2 58 32+ 4 21 49 33 11— 35 40+ 38 37 40 32+ 41 25+ 44 24 45 47 48 28— 50 31 52 19 54 29 58 36— 5 2 41 41 50½ 18 Cloudy	42 47— 47— 29+	27+ 59 53— 9	☉ 1st L. ☉ 2d L. ☽ 1st L. 6h 29' 57", 57 mean time. Aldebaran. μ Eridani. 96 Tauri. 10 } Orionis. 5 } 2 } ε Aurigæ. 10 Orionis. 64 Eridani. 1 γ Orionis. ι Leporis. i Orionis. Capella. Rigel. α Orionis. α Lyæ.
29.			3 56 49 59 50+ 4 2 11+ 3 52+ 5 5— 6 41— 9 56+ 11 17 12 37+ 14 33 14 39½ 21 49½ 29 39— 33 26 38 34 58 36½ 5 2 41½ 8 13— 10 47— 16 46— 19 25½ 21 35½ 22 58 26 23— 28 20 29 45— 32 11— 34 30— 35 47— 37 53½ 40 23+ 41 51 45 10½ 48 51—			μ Persei. o Eridani. μ } 51 } 53 } h } 2 δ } Tauri. 3 δ } 2 ν } 1 θ } 2 θ } 10— Aldebaran. 54 Eridani. ι Aurigæ. ☽ 1st L. 8h 1' 50", 62 mean time. Capella. Rigel. λ Leporis. β Tauri. χ Aurigæ. δ } Orionis. λ } ζ Tauri. σ } Orionis. ζ } b } τ } Aurigæ. ν } ζ Leporis. 136 Tauri. 2 x } Orionis. a } η Leporis. μ Orionis.
30.	8+	28 49½	5 29 31+		30 54:	☽ 1st L. very hazy. 8h 48' 43", 42 mean time.
1 FEB.	59—	59 39+	21 0 20— 2 36 3 13 23 14 55½ 16 59— 18 24 19 55+ 21 19	3 17—	56½	☉ 1st L. ☉ 2d L. σ } Persei. ↓ } ε Tauri. 17 Eridani. 7 Tauri. ε Eridani.

In FEBRUARY MDCCLVII.

[illegible]

In FEBRUARY MDCCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
12.			6 58 49½ 7 3 58+ 5 26½ 7 7½ 8 42+ 10 27½ 12 27+ 14 2 14 31+ 18 55- 23 7× 26 25½ 30 17- 38 27 16 23 38½ 26 6+	59 57+ 41- 4+ 0+		21 { Monocerotis. 22 { λ { Geminorum. δ { 66 Aurigæ. 58 } r { Geminorum. 1 b } 2 b } Castor. c Geminorum. Procyon. Pollux. φ Geminorum. ζ Ophiuchi. σ Herculis. δ 2d L.
13.	51 37½	52 20:	21 50 24- 4 41 52: 17 18 28 32+:	31½	44:	⊙ 2d L. α Orionis. δ 2d L. α Lyræ.
14.			21 52 4+			⊙ 1st L.
18.	24- 8+	9+ 47- 32+	22 7 32 9 46+ 7 18 55 26 26- 30 16 43 2 45 36- 49 28+ 51 44½ 54 58- 59 44 8 2 2-: 18 28 33- 19 38 45½ 20 32 59-	10 26 41- 5- 1- 22+ 39 24½ 33 57-	5 26½ 43+ 44+ 11+ 40 3 34 46½	⊙ 1st L. ⊙ 2d L. Castor. Procyon. Pollux. 1 Cancri. 14 Canis minoris. 13 Navis. 1 μ { Cancri. 12 } 19 } Navis. 20 } α Lyræ. α Aquilæ. α Cygni.
19.	10 6 31+ 48	10 45½ 11+ 43- 4+	22 Cloudy 4 16 14+ 21 51+ 58 38 5 2 43½ 7 52 9 56- 11 55½ 14 11½ 16 47+ 19 27+ 21 43 23 25- 26 59½ 28 28 31 45½ 33 6- 35 48½ 28 26 41 53 34 18- 18 28 33	31½: 34- 23 32- 58	11+ 28 1+ 10- 38+	⊙ 1st L. m Persei. Aldebaran. Capella. Rigel. 22 Aurigæ. m Orionis. 113 { Tauri. 118 } 31 } Orionis. δ } 23 Camelopardali. i { Orionis. d } 127 Tauri. 30 } Camelopardali. 31 } ζ Leporis. 113 Tauri. α Orionis. Syrius. α Lyræ.
20.	48+ 25½ 35	14+	22 15 15- 17 27 4 58 38½: 5 41 53+	18 6½ 22 32- 34+	45½ 11½ 4 1½ 10½	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel. α Orionis.
22.	32 56 49- 1 26½ 36- 55+	24 25½ 11½ 57 44- 2 5½ 14+ 44+	22 22 53 4 21 52 58 39 5 2 44½ 41 53½ 18 28 34-	32 59 34½ 3 23½ 32½ 23½	12- 29½ 4 2× 11- 12	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel. α Orionis. α Lyræ.

In FEBRUARY MDCCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars
♂ 22.	28+	7+ 5+	19 38 46 20 32 59+	25 53½	4 47+	α Aquilæ. α Cygni.
♀ 23.	20½ 9 49- 26½ 36- 58½	0+ 36 48½ 43+ 5+ 15- 38½	22 26 40 28 52+ 2 37 29- 4 58 39 5 2 44+ 41 53½ 6 34 19- 50 32+ 52 39- 55 31½ 57 32 7 2 46- 4 14- 4 50+ 7 28 10 29 12 14- 18 56 26 27- 30 17½	29 32- 34½ 23+	38 11- 48½ 29+ 2+ 11+ 39-	☉ 1st L. ☉ 2d L. ☽ 1st L. 4 ^h 22' 44", 40 mean time. Capella. Rigel. α Orionis. Syrius. 2 ω Geminorum. γ Canis majoris. τ } Geminorum. m } 24 Monocerotis. 27 } Canis majoris. 28 } 9 } Geminorum. 1 } 2 Canis minoris. Castor. Procyon. Pollux.
♂ 24.	10½	49½: 5+	22 30 29-: 32 40-: 5 2 44+	19+: 23½	58 2	☉ 1st L. } High wind. ☉ 2d L. } Rigel.
♀ 25.	17 42+ 25½ 9½	18 23+ 12+ 11- 48½ 34-	4 19 4 21 52½ 7 18 57- 26 27+ 30 18	33+ 42: 2	20 26 13 27½ 45- 45½	☽ 1st L. 5 ^h 56' 10", 87 mean time. Aldebaran. Castor. Procyon. Pollux.
With the 15 foot Tube at 6 ^h 12' 7" Aldebaran emerged from the Moon. Clouds prevented observing the immersion; but the emersion was taken, with certainty, within a second. Apparent time 7 ^h 35' 34".						
♂ 26.	44- 56½ 29+	37 23- 45+ 8+ 7+	22 38 2 40 13+ 18 28 35 19 38 47+ 20 33 1	25- 14- 5+ 48½		☉ 1st L. ☉ 2d L. α Lyra. α Aquilæ. α Cygni.
☉ 27.	33 50- 37 22 59+	13 44× 6 15+ 3½ 39+	4 21 53 49 29- 53 0- 54 33: 58 40 5 2 48 8 16+ 9 57+ 12 17 14 0+ 17 43½ 19 29+ 21 22½ 21 39 23 17+ 26 15 27 1+: 28 24- 29 48+ 32 14+: 34 33 36 8- 37 57 41 55- 59 10+ 6 1 45+ 34 20- 42 47½ 43 57- 45 11½ 47 29+ 47 58½ 50 44+ 52 40- 54 48	33+ 35+ 24× 34 0+	13 30- 3- 12 8+ 40½	Aldebaran. 1 } Tauri. m } i Orionis. Hazy. Capella. Rigel. λ Leporis. m Orionis. 8 Leporis. 2 ♀ Orionis. β Leporis. δ } 1 φ } Orionis. λ } 2 c } ω } d } ζ } b } τ } ν Aurigæ. α Orionis. 136 Tauri. α Orionis. ☽ 1st L. 7 ^h 30' 43", 03 mean time. Syrius. 1 o } Canis majoris. 1 } 1 ω Geminorum. ε Canis majoris. 19 Monocerotis. γ Canis majoris. 63 Aurigæ.

In FEBRUARY MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 27.			6 56 11- 58 24½ 7 0 59+ 2 46+ 5 40-: 7 10- 8 31½: 10 30 12 30- 14 23 18 57- 26 27½ 30 18+			47 Geminorum. δ Canis majoris. σ 3 Aurigæ. q. 24 Monocerotis. 64 } Aurigæ. 66 } 30 Canis majoris. i } Geminorum. r } n Canis majoris. Castor. Procyon. Pollux.
☽ 28. Cloudy			6 53 32::			☽ 1st L. 8 ^h 18' 25'', 24 mean time.
♂ MAR. 1.	33+ 37 59+ 10+ 59-	15½ 39½ 49 34½ 44 40	4 21 53+ 5 41 54½ 6 34 19½ 48 58½ 50 33+ 52 47- 7 26 28- 30 18½ 34 39+ 36 31- 38 29 40 13+ 45 22- 57 6 59 46 2 4- 3 13	33½: 0+ 6½ 2½	13+ 12 40 45+ 46 46 45-	Aldebaran. α Orionis. Syrius. ε Canis majoris. 2 ω Geminorum. 2 o Canis majoris. Procyon. Pollux. 4 Navis. 52 Camelopardali. φ Geminorum. 8 Navis. ☽ 1st L. 9 ^h 6' 10'', 44 mean time. 17 } Navis. 20 } β Centauri.
♀ 2.	43- 33+ 27+ 37+ 26- 51 35-	52 22 13 44½ 6+ 16- 39½ 11+ 36 16-	22 53 1- 55 12- 4 21 53+ 58 40+ 5 2 45+ 18 23½ 20 31 21 39+ 23 18- 23 34 26 15+ 28 23½ 29 48½ 32 15 34 33+ 36 8- 37 57+ 39 26 41 35- 6 34 20- 40 40- 42 48- 7 16 9+ 18 57+ 22 27+ 25 28½ 26 28 30 19- 8 36 57	51 33½ 35+ 24½	30- 13+ 20 3+ 12 40- 28+ 45+ 46+ 38 19+	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. η Orionis. 121 Tauri. λ } ι c } Orionis. 2 c } ω } ζ } b } τ } Aurigæ. ν } κ Orionis. 136 } Tauri. δ } α Orionis. Syrius. 2 κ } Canis majoris. θ } o Canis minoris. Castor. 70 Geminorum. Procyon. Pollux. ☽ 1st L. 9 ^h 53' 41'', 33 mean time.
♂ 3.	57+	46+ 9+	18 28 35+ 19 38 48+ Mifty	17 33 56-	14½ 40 6 49+	α Lyræ. α Aquilæ. α Cygni.
♀ 4.	34- 11- 27+ 30½ 14-	14- 12 49x 35 7½: 9½ 7½	23 2 38+: 4 21 54- 7 18 58+ 26 28+ 30 19+ 10 18 47½ 19 38 48½ 20 33 2-	17+ 34- 35 I 19 43+ 7 3 17+ 56	56 14- 40½ 28½ 45½ 47+ 20 8 6+ 50	☉ 2d L. Aldebaran. Syrius. Castor. Procyon. Pollux. ☽ 1st L. 11 ^h 27' 22'', 72 mean time. α Aquilæ. α Cygni.

In MARCH MDCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
5.	53+	3 32-	23 4 11-	0-	7 38+	☉ 1st L. ☉ 2d L. Aldebaran. α Orionis. Castor. Procyon. Pollux. ☽ 1st L. } Center. 12 ^h 14' 42", 27 mean time. ☽ 2d L. } β Leonis.
	34		4 21 54	34	14-	
		12	5 41 55+	44-	14-	
	11	50-	7 18 58	7+	29	
			26 28½	3+	46-	
		8 28	30 19		47-	
			11 9 8	11 55	10 27	
			11 15	14-	34½	
	13x	53x	36 33½		54-	
	With the 15 foot Tube at 12 ^h 37' 12" by this Clock the first Satellite of Jupiter immersed.					
	30+	9+	19 38 48+	26+	26+	α Aquilæ.
		7½	20 33 2-	55	50-	α Cygni.
7.	0-	39½	4 21 54	34	14	Aldebaran.
	11-	50-	6 34 20	0½	40½	Syrius.
		35:	7 26 28+	7	45+	Procyon.
			30 19		47	Pollux.
			36 35½:			25 } Lyncis.
			36 50:			26 }
			45 38+			14 Canis minoris.
			47 30-			27 Monocerotis.
			51 25½			8 }
			53 20+			2 μ } Cancræ.
			55 1-			12 }
			57 6+			1 }
			59 46+			19 } Navis.
			8 2 4+			20 }
			3 13+			β } Cancræ.
			5 10			κ }
			9 46+			ο Ursæ majoris.
			12 5-			ι υ Cancræ.
			13 25+			2 Hydræ.
			17 0+			3 υ } Cancræ.
			21 14			35 }
			28 25+			6 Hydræ.
			30 45			44 Cancræ.
			33 48-			ε }
			35 27+			ρ } Hydræ.
			37 3			14 }
			39 16+			2 ι } Cancræ.
			41 58			4 ρ }
			42 26+			ξ Hydræ.
	51 2-	51 41½	12 52 21		53 40	☽ 2d L. 13 ^h 48' 43", 30 mean time.
	2-	41-	12 20-	59	38+	Spica Virginis.
	very hazy		20 33 2	56		α Cygni.
8.	13 58-	14 36½	23 15 15½	4	18 42+	☉ 1st L. ☉ 2d L.
			17 25+			η Libræ.
10.	57+	32 38	15 30 21+		34 41	☽ 2d L. 16 ^h 17' 26", 81 mean time.
			33 19			
11.	0½	39	23 26 18-	6-	44½	☉ 1st L. ☉ 2d L.
			28 27			24 Scorpii.
	6-	30 47-	16 27 27+		32 52-	☽ 2d L. 17 ^h 11' 31", 12 mean time.
			16 31 29-			
13.	59-	47½	18 28 37+	27-	16-	α Lyræ.
			34 21:		46:	☽ 2d L. 19 ^h 6' 10", 83 mean time.
	32-	10½	19 38 49½:	Windy	7	α Aquilæ.
14.	34+	14+	4 21 55-		14½	Aldebaran. } Windy.
		46	58 41+	37-	31½	Capella. }
	29	8-	5 2 47-	26-	4½	Rigel. }
	1	41	6 34 21+	1+	41½	Syrius.
			49 0-			ε Canis majoris.
			50 46-			19 Monocerotis.
			52 41			γ Canis majoris.
			54 20½			ο } Geminorum.
			55 34			τ }
			59 53+			21 } Monocerotis.
			59 22			23 }
			7 2 11			26 Canis majoris.
			4 2			λ }
			7 31-			q } Geminorum.
			8 46			58 }
			10 32-			1 }

In MARCH MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
14.			7 13 13 14 52½ 16 11— 18 58½ 26 29+ 30 40+ 36 39+ 36 51+ 40 26½ 8 5 11 9 21— 11 17— 12 23 13 26+ 14 14— 17 38 18 58+ 21 15 23 0 24 42+ 25 58+ 29 7— 31 39½ 33 49— 35 28+ 37 4+ 39 17+ 40 59— 42 34— 43 35+ 46 22 49 33+ 53 5+ 54 29+ 56 44— 57 38+ 9 0 21½ 1 38+ 3 34+ 6 7—	4	46½ 48—	p Geminorum. o Canis minoris. Castor. Procyon. Pollux. *19 25 } Lyncis. 26 } 9 Navis. x } Cancrī. 1 d } 22 Navis. 1 Hydræ. 30 Monocerotis. 2 Hydræ. θ Cancrī. 33 Lyncis. 35 Cancrī. 1 Leonis minoris. δ } Hydræ. σ } γ Cancrī. 31 Monocerotis. ε } ρ } Hydræ. 14 } 1 i } Cancrī. 4 p } 1 o } 4 σ } Cancrī. 6 p } ω Hydræ. x Cancrī. 19 } 20 } Hydræ. 21 } θ } 38 } Lyncis. 40 }
15.	59—	48— 11	18 28 37 19 38 50:	26½ 29	15½ 8	α Lyrae. α Aquilæ; hazy.
16.	18+ 35 1 29+ 39—	57+ 15— 17½ 51—	23 44 36— 46 45— 4 21 55 58 42— 5 41 56½ 7 18 58½: 26 30—	47 24— 35+ 37 35½ 44+ 8½	3— 15 14+ 30 47+	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel. α Orionis. Castor. } Windy. Procyon. }
18.			23 51 53: 54 1½		18+:	⊙ 1st L. ⊙ 2d L.
This day I examined the Instrument, and found the Axis parallel to the horizon; and the wire corresponded to the mark, without any sensible error.						
19.	13 35— 29	52+ 15— 46 8—	23 55 31+ 57 40+ 4 21 55— 58 41½ 5 2 47	58 19+ 55— 37— 26	58— 15— 32— 5—	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel.
20.	53— 51½ 29+	58 31+ 46½ 8+	23 59 10— 1 19— 4 21 55—: 58 42— 5 2 47 6 52 48+ 54 50— 56 13 57 48—: 58 53½ 59 22+ 7 0 41— 2 11+ 4 2+	57½ 35+ 37+ 26	36½ 32— 5	⊙ 1st L. } Windy. ⊙ 2d L. } Aldebaran. Capella. Rigel. 2 o Canis majoris. 63 Aurigæ. 47 } Geminorum. 49 } 21 } Monocerotis. 22 } 53 Geminorum. 26 Canis majoris. λ Geminorum.

In MARCH MDCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 20.			7 7 12-			66 Aurigæ.
			9 20+			59 } Geminorum.
			10 32			i } Canis minoris.
			12 17			e } Geminorum.
			13 23-			o } Canis minoris.
			16 11			Castor.
	27½	13+	18 59	45-	30+	24 Lyncis.
			22 15-			49 Camelopardali.
	12+	51-	24 12+	8½	47	Procyon.
	53-	36	26 29½	4½	48	Pollux.
			30 20+			82 Geminorum.
			33 56			52 Camelopardali.
			36 32:			φ Geminorum.
			38 31+			8 Navis.
			40 15-			1 Geminorum.
			41 23+			1 Cancr.
			43 6-			14 Canis minoris.
			45 40-			5 Cancr.
			47 33½			28 Monocerotis.
			48 47			* 5 Mag. Dist. a P. 46° 54'.
			52 33			2 ↓ Cancr.
			55 42½			i }
			57 8-			ζ } Navis.
			58 10½			19 }
			59 48-			20 }
			8 2 6-			β } Cancr.
			3 15			χ } Navis.
			5 11+			21 Navis.
			6 10½			i d }
			9 20+			2 d }
			11 58½			27 } Cancr.
			13 12			29 }
			14 58			3 v }
			17 2-			2 π Ursæ majoris.
			18 38			35 Cancr.
			21 15+			i } Leonis minoris.
			22 59½			δ } Hydræ.
			24 42+			σ } Cancr.
			25 58½			γ } Hydræ.
			29 7			η } Hydræ.
			30 26+			8 }
			31 40			12 }
			34 49½			4 ρ Cancr.
			40 59			i } Ursæ Majoris.
			42 23			17 Hydræ.
			43 31-			η } Ursæ majoris.
			44 42+			4 σ Cancr.
			46 22+			2 σ }
			48 35			τ } Ursæ majoris.
			50 32			f }
			51 31:			ω } Hydræ.
			53 6-			π } Cancr.
			54 30-			17 } Ursæ majoris.
			57 34			19 }
			9 0 10½			θ } Hydræ.
			1 38+			39 Lyncis.
			3 34½			83 Cancr.
			5 19			26 Hydræ.
			7 0			θ } Ursæ majoris.
			16 23½			9 }
			18 27-			10 } Leonis minoris.
			19 11+			11 }
			20 56½			33 Hydræ.
			22 21			2 Sextantis.
			25 42-			o }
			28 5½			↓ }
			30 24+			e }
			31 57			18 } Leonis.
			33 12+			19 }
			34 24			21 }
			37 39+			μ }
			38 50-			8 Sextantis.
			40 25			

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DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
20.	1 +	41	9 41 20- 42 38½ 46 52 + 51 28 + 55 20 10 2 19 3 46 6 28 + 7 41½ 9 58 + 10 2½ 11 51 14 8 + 15 46 + 17 4 + 19 8 22 3 - 23 57 + 26 47	0	39 +	9 Sextantis. 19 } Leonis minoris. 20 } 13 Sextantis. Regulus. 23 } Leonis minoris. 39 } γ Leonis. μ Ursæ majoris. 27 } 28 } Leonis minoris. 30 } 26 Sextantis. 32 Leonis minoris. 29 Sextantis. i } Leonis. 48 } 36 } Leonis minoris. 39 }
21.		36 +	7 26 30- 30 20 +	8½ 5	47 48-	Procyon. } High wind. Pollux. }
22.	9 39 12 + 53	48 - 18 - 13 + 51 36½	0 6 26½ 8 35 + 4 21 55 +: 58 42 5 2 47 + 41 57 - 6 59 23 7 7 12 10 32! 18 59 + 22 15 - 26 30 - 30 21 - 34 41 + 36 33 39 1 -: 40 42 43 6 + 45 40 46 58: 49 33 - 51 27 53 22 + 55 2 + 57 24 + 59 48 + 8 2 6 3 15 + 5 12 - 6 11: 9 48 11 17½ 12 24 13 27 29 7 + 31 40 + 37 5 38 1 - 40 59½ 42 23 + 43 31½ 44 42½ 46 23 - 49 34 + 51 31 + 53 6 + 54 49½ 56 45 - 58 28½ 9 1 39 - 3 35 5 20 -	14 37½ 27 - 36 - 45 + 9 - 5 -	53 - 5 +: 15 - 30 + 47½ 48 -	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. 22 Monocerotis. 66 Aurigæ. 59 Geminorum. Castor. 24 Lyncis. Procyon. Pollux. 4 Navis. 52 Camelopardali. ξ Navis. 53 Camelopardali. 1 Cancrî. 14 Canis minoris. 2 ω Cancrî. 13 Navis. 8 } 2 μ } Cancrî. 12 } 29 Lyncis. 19 } Navis. 20 } β } Cancrî. x } 21 Navis. o Ursæ majoris. 22 Navis. : 1 Hydræ. : 20 Monocerotis. γ Cancrî. 8 } Hydræ. 14 } 2 ρ } Cancrî. 4 ρ } i Ursæ majoris. 17 } Hydræ. η } 4 σ } Cancrî. 6 ρ } f Ursæ majoris. ω Hydræ. c Ursæ majoris. 19 Hydræ. e Ursæ majoris. b Hydræ. 39 Lyncis. 83 Cancrî.

In MARCH MDCC LVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
' "	' "	' "	H " "	' "	' "	
22.			9 8 1-			26 <i>Hydræ</i> .
24.	25-	4-	0 13 43-			☉ 1st L.
	33½	12	15 51½	31+	10	☉ 2d L.
			18 28 51::	20:	9½:	α <i>Aquilæ</i> ; windy.
25.	15+	16	4 21 56	36-	16	<i>Aluebarun</i> .
	39½	18½	5 41 57½	36½	50	☽ 1st L.
		37+	7 30 21	5	16-	α <i>Orionis</i> .
			34 42		49-	<i>Pollux</i> .
			36 40			4 <i>Navis</i> .
			52½			25 } <i>Lyncis</i> .
			41 24			26 } <i>Lyncis</i> .
			43 7-			1 <i>Geminorum</i> .
			45 4-			1 <i>Cancr.</i>
			46 47			14 <i>Canis minoris</i> .
			47 32+			3 <i>Cancr.</i>
			48 48-			27 } <i>Monocerotis</i> .
			52 34			28 } <i>Lyncis</i> .
			53 51-			14 <i>Navis</i> .
			55 43½			1 ↓ <i>Cancr.</i>
			57 25-			29 <i>Lyncis</i> .
			59 20×			18 } <i>Navis</i> .
			8 2 6½			20 } <i>Navis</i> .
			3 15+			β } <i>Cancr.</i>
			5 12½			χ } <i>Cancr.</i>
			6 11+			21 <i>Navis</i> .
			9 22			1 d }
			10 33+			21 }
			12 0-			2 φ } <i>Cancr.</i>
			13 13-			27 }
			14 59+			29 }
			17 3-			3 v }
			19 0			33 <i>Lyncis</i> .
			21 16+			35 <i>Cancr.</i>
			23 1½			1 <i>Leonis minoris</i> .
			24 51×			2 c <i>Cancr.</i>
			25 59+			σ <i>Hydræ</i> .
			29 8			γ <i>Cancr.</i>
			30 27+			η <i>Hydræ</i> .
			33 3½			5 <i>Ursæ majoris</i> .
			34 50½			12 } <i>Hydræ</i> .
			37 5+			14 }
			38 1+			2 ρ } <i>Cancr.</i>
			41 0+			4 ρ }
			42 29-			ζ <i>Hydræ</i> .
			43 56			20 } <i>Cancr.</i>
			45 7+			2 α }
			46 39			1 σ }
			48 36½			2 σ }
			50 33+			τ } <i>Ursæ majoris</i> .
			51 32-			f }
			57 35			17 }
			9 0 12			19 }
			3 36-			39 <i>Lyncis</i> .
			15 36-			α } <i>Hydræ</i> .
			16 45½			1 τ }
			17 58+			26 <i>Ursæ majoris</i> .
			19 31+:			2 τ <i>Hydræ</i> .
			20 58-			11 <i>Leonis minoris</i> .
			22 22			33 <i>Hydræ</i> .
			24 41-			11 <i>Leonis</i> .
			25 54-			34 } <i>Hydræ</i> .
			27 23+			1 }
			29 4			45 <i>Lyncis</i> .
			31 0-			14 <i>Leonis minoris</i> .
			31 58			ε }
			33 13+			18 } <i>Leonis</i> .
			34 25			19 }
			36 8½			20 }
			37 30			17 <i>Leonis minoris</i> .
			38 51-			μ <i>Leonis</i> .
			40 26-			8 <i>Sextantis</i> .
			42 9½			18 <i>Leonis minoris</i> .

In MARCH MDCCCLVII.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
♀ 25.	2+ 33½	42-	9 43 29 45 5- 46 53x 51 29½ 55 21+ 18 28 51½	I	41-	10 Sextantis. v Leonis. 20 Leonis minoris. 13 Sextantis. Regulus. α Aquilæ; hazy.
♂ 26.	42- 15 2+ 13	20- 47+ 56+ 42+ 37+	0 20 59- 23 7+ 4 58 42½ 5 2 48- 6 40 37½ 7 34 23- 7 26 30½ 30 21+ 59 49+ 8 2 7- 3 16 5 12+ 9 49 11 18+ 12 25- 13 27+ 14 15+ 17 17 18 32½ 21 16+ 23 1½ 24 40½ 29 8 30 20½ 31 53+ 33 4- 34 51: 37 45½ 38 1+ 40 13- 41 50 43 6-: 44 43+ 46 23+ 49 35+ 51 32 53 7- 54 23½ 56 18- 57 35 9 0 12+ 1 39+ 18 28 39+ 19 38 51½ 20 33 5+	21 46+ 36+ 38- 27+ 9½ 5+	25 16-: 33- 6- 42 0+ 43- 47½ 49+	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. ☽ 1st L. 5 ^h 23' 25'',97 mean time. Syrius. Procyon. Pollux. 19 } Navis. 20 } β } Cancrī. χ } e Ursæ majoris. 22 Navis. 1 Hydræ. 30 Monocerotis. 2 Hydræ. 1 π Ursæ majoris. 4 υ } Cancrī. 35 } 1 } Leonis minoris. 2 } γ } 46 } Cancrī. 1 } 5 Ursæ majoris. 12 Hydræ; hazy. 3 ρ } Cancrī. 2 ι } ρ Ursæ majoris. 2 σ } Cancrī. 6 ι } η Ursæ majoris. 4 σ } Cancrī. 6 ρ } f Ursæ majoris. ω Hydræ. 75 } Cancrī. 79 } 17 Ursæ majoris. θ Hydræ. α Lyrae. α Aquilæ. α Cygni.
☉ 27.	16- 13+ 54-	57+ 52 38-	0 26 45 6 32 39 7 26 31- 30 22-: 33 57	24 9½ 5½:	3- 2½ 48+	☉ 2d L. ☽ 1st L. 6 ^h 11' 22'',81 mean time. Procyon. Pollux. 82 Geminorum.
♂ 28.	9+	16 23 50½	0 30 23: 4 21 56+ 7 24 32½		40+ 16+: 25 55½	☉ 2d L. Aldebaran. ☽ 1st L. 6 ^h 59' 11'',54 mean time.
♂ 29.	3- 14-	16+ 43 52 38-	4 21 56½ 5 41 58+ 6 34 23+ 7 26 31 30 22 34 43- 36 33½ 38 30+ 49 48+ 51 28+ 53 23+ 57 9+ 58 8	37- 3+ 10 6	16½ 43+ 48½ 49½	Aldebaran. α Orionis. Syrius. Procyon. Pollux. 2 Navis. 52 Camelopardali. 84 Geminorum. 28 Monocerotis. 8 } Cancrī. 2 μ } 1 } Navis. 16 }

In MARCH MDCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars
d 29.	43-	15 24	7 59 21+ 8 2 7½ 12 0+ 16 5½ 53 7+ 54 24 55 21- 56 46+ 57 40 9 0 12½ 1 40 3 36 4 44½ 6 8½ 8 1½ 9 23- 10 25- 12 3+ 13 12½ 15 18 17 46+ 19 13 20 58: 22 23- 23 34 24 41½ 25 54+ 27 24 30 26 31 58½ 33 27+ 35 22 36 9+ 37 30½ 55 22	17 28+	18 } Navis. 20 } 2 φ Cancrī. D 1st L. 7 ^h 46' 40", 18 mean time. ω Hydræ. 75 } Cancrī. 78 } 19 } Hydræ. 20 } 19 Ursæ majoris. θ Hydræ. 39 Lyncis. 24 Hydræ. 41 Lyncis. 26 Hydræ. 6 Leonis minoris. κ Leonis. h Ursæ majoris. A } Hydræ. 29 } λ Leonis. 10 } Leonis minoris. 11 } 33 Hydræ. 8 } Leonis. 11 } 34 } Hydræ. ι } ↓ } Leonis. ε } υ } Ursæ majoris. φ } 20 Leonis. 17 Leonis minoris. Regulus.	
4 31.	51: 53½ 31+	30+ 48½ 10 19½	0 39 9 41 17 4 21 57 58 43½ 5 2 49 41 58½	56+ 39: 28- 38-	35 17: 7- 16½	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel. α Orionis.
♀ APRIL 1.	36-: 19+	52+ 14+ 13	0 44 56: 18 28 41 19 38 53+ 20 33 7	35 30- 32+ 1	19- 11½ 55	⊙ 2d L. α Lyræ. α Aquilæ. α Cygni.
b 2.	36-	14½ 13+	19 38 53½ 20 33 7+	32½ 1+	11½ 55	α Aquilæ. α Cygni.
⊙ 3.	38 54+ 32+ 42- 4 15 55+	17½: 49+ 10¾ 20+ 44- 16-: 53½ 39	4 21 58- 58 44+ 5 2 50 41 59½ 6 34 24- 7 19 1+: 26 33- 30 23 8 5 13 9 50½ 11 20+ 12 26+ 13 29+ 14 17 17 41+ 19 2- 21 18+ 23 3+ 24 45+ 27 49+ 29 46	38 29 38½ 4- 47+ 11+ 7	18- 8- 17- 4- 33- 50 51-	Aldebaran; windy. Capella. Rigel. α Orionis. Syrius. Castor. Procyon. Pollux. χ Cancrī. o Ursæ majoris. 22 Navis. 1 Hydræ. 3 o Monocerotis. 2 Hydræ. θ Cancrī. 33 Lyncis. 35 Cancrī. ι Leonis minoris. δ Hydræ. * Not in the Catalogue. 1 A Cancrī.
With the 15 foot Tube γ Vir- { 11 ^h 11' 21" to immerse behind the D. Apparent Time 10 ^h 18' 39", 1. ginis was observed at { 12 8 33 to emerge from the D. Apparent Time 11 ^h 15' 42", 5. 12 + 12 29 52 - 11 + D 1st L. 11 ^h 40' 2'', 93 mean time. A thick hazy cloud prevented taking the passage of the Star γ Virginis. 7 46 13 12 25 43 Spica Virginis.						

In APRIL MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4	25	3 $\frac{1}{2}$	0 53 42+			☉ 1st L.
	54	49+	4 21 58:	38+	18	Aldebaran.
	42+	20 $\frac{1}{2}$	5 2 50	40	35-	Capella.
			8 41 59+	29+	8-	Rigel.
			33 52+	38+	17	α Orionis.
			37 7 $\frac{1}{2}$			ϵ } Hydra.
			41 2			14 } Hydra.
			43 39			4 ρ }
			58:			10 } Cancri.
			46 25+			20 } Cancri.
			49 36 $\frac{1}{2}$			4 σ }
			51 34			6 ρ }
			54 32+			f Ursa majoris.
			56 20-			* } Cancri.
			57 47			79 } Cancri.
			9 0 14-			37 Lyncis.
			1 41 $\frac{1}{2}$			19 Ursa majoris.
			3 37 $\frac{1}{2}$			8 Hydra.
			5 22			39 Lyncis.
			8 3+			83 Cancri.
			10 26			26 Hydra.
			12 4+			* Leonis.
			13 14			h Ursa Majoris.
			15 20-			A } Hydra.
			16 40-			29 } Hydra.
			18 0			8 Leonis minoris.
			19 14:			26 Ursa majoris.
			20 59+			10 } Leonis minoris.
			22 24			11 } Leonis minoris.
			24 43-			33 Hydra.
			25 45			11 Leonis.
			26 55			2 Sextantis.
			29 14			28 Ursa majoris.
			30 27+			f } Leonis.
			33 29-			v Ursa majoris.
			36 8-			3 }
			38 58			6 } Sextantis.
			40 27 $\frac{1}{2}$			8 } Sextantis.
			41 22+			9 }
			42 42-			19 Leonis minoris.
			44 56+			26 Leonis.
			46 55			20 } Leonis minoris.
			53 0+			21 } Leonis minoris.
	4+	44-	55 23 $\frac{1}{2}$	3+	42+	Regulus.
			58 44			λ Hydra.
			10 1 4+			22 Leonis minoris.
			3 7			ζ Leonis.
			5 32 $\frac{1}{2}$			22 Sextantis.
			7 37			25 Leonis minoris.
			7 44+			μ Ursa majoris.
			10 6-			28 } Leonis minoris.
			11 54			30 } Leonis minoris.
			14 20+			μ Hydra.
			15 49 $\frac{1}{2}$			32 Leonis minoris.
			17 7+			29 Sextantis.
			19 11			i Leonis.
	44	21 23 $\frac{1}{2}$	13 22 3	53 $\frac{1}{2}$	33	☉ 1st L.
		34	24 14-			☽ 2d L. most distinct. 12 ^h 30' 20", 79 mean time.
5	56	3+:	0 57 21-			☉ 1st L.
	30+	16-	7 19 2-	47+	33-	Castor.
	15	54-	26 32 $\frac{1}{2}$	11+	50-	Procyon.
	55 $\frac{1}{2}$:	39	30 23	7+	51-	Pollux.
			8 30 49			δ Cancri.
			33 52			ϵ Hydra.
			35 31			36 Lyncis.
			39 20x			2 ι }
			41 2			4 ρ } Cancri.
			49 36+			6 ρ }
			51 34-			f Ursa majoris.
			53 8+			ω Hydra.
			54 32 $\frac{1}{2}$			* Cancri.
			56 47+			19 Hydra.

In APRIL MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
3 5.			9 0 13½ 1 41 3 37+ 5 22- 12 31 15 19+ 16 47+ 18 48+ 14 18 9+			19 <i>Ursæ majoris</i> . θ <i>Hydræ</i> . 39 <i>Lyncis</i> . 83 <i>Cancræ</i> . d <i>Ursæ majoris</i> . 29 { <i>Hydræ</i> . 1 τ ξ <i>Leonis</i> . D 2d L. 13 ^h 20' 11", 98 mean time.
8 6.	49 42+ 4+: 12 54	17 29 21- 35-	14 18 9+ 1 1 0- 3 8½ 9 55 23½ 15 14 15+::	47+ 47+	19 29+ 26+ 42+ 15 36½	☉ 1st L. ☉ 2d L. Regulus. D 2d L. hazy. 14 ^h 12' 12", 87 mean time.
14 7.	4 15	44- 53½ 39	6 34 24+ 7 26 32+ 30 23 8 33 52 37 7+ 9 15 37½: 18 30- 19 14+ 20 59+ 22 24- 23 52½: 25 45- 27 25+ 28 38½ 31 2 33 28+ 35 11+ 45 6+ 47 20 51 31+ 53 0+ 55 23+ 58 44 10 0 8- 3 49 5 32½ 7 37 44+ 11 1 15 49 19 11 32 17- 33 31- 35 29 36 27+ 37 38+ 38 46: 39 53 41 27 43 11+ 45 45½ 47 8- 48 7½ 49 25+ 51 55+ 52 27½ 53 58- 55 44- 57 0 59 44-	43+ 43+	5- 11+ 7 5- 44½ 50- 51- 3+ 3+ 2½: 2½: 42½	Syrius. Procyon. Pollux. ε { <i>Hydræ</i> . 14 { <i>Hydræ</i> . α { <i>Hydræ</i> . 9 <i>Leonis</i> . 10 { <i>Leonis minoris</i> . 11 { <i>Leonis minoris</i> . 33 <i>Hydræ</i> . 9 <i>Leonis</i> . 2 <i>Sextantis</i> . 1 { <i>Hydræ</i> . π { <i>Hydræ</i> . 14 <i>Leonis minoris</i> . ν <i>Ursæ majoris</i> . 16 <i>Leonis minoris</i> . ν { <i>Leonis</i> . π { <i>Leonis</i> . 13 <i>Sextantis</i> . 21 <i>Leonis minoris</i> . Regulus. λ <i>Hydræ</i> . 19 <i>Sextantis</i> . 39 <i>Leonis</i> . 22 <i>Sextantis</i> . 25 <i>Lyncis</i> . μ <i>Leonis</i> . 24 <i>Sextantis</i> . 32 <i>Leonis minoris</i> . i <i>Leonis</i> . 42 <i>Leonis minoris</i> . K <i>Leonis</i> . 43 <i>Leonis minoris</i> . l <i>Leonis</i> . ν <i>Hydræ et Crateris</i> . 44 { <i>Ursæ majoris</i> . ω { <i>Ursæ majoris</i> . 48 <i>Leonis minoris</i> . 55 <i>Leonis</i> . 47 { <i>Ursæ majoris</i> . 49 { <i>Ursæ majoris</i> . c { <i>Leonis</i> . 61 { <i>Leonis</i> . 51 <i>Ursæ majoris</i> . x <i>Leonis</i> . 52 <i>Leonis minoris</i> . 67 <i>Leonis</i> . 10 { <i>Hydræ et Crateris</i> . B { <i>Hydræ et Crateris</i> .
8 8.	0- 55+	39- 16: 39	1 8 18- 10 27- 7 19 2- 26 32+ 30 23 8 37 7+ 39 20+ 41 2 42 25½ 44 33+	6- 48- 11+ 7	45- 33½ 50- 51-	☉ 1st L. ☉ 2d L. Castor; hazy. Procyon. Pollux. 14 <i>Hydræ</i> . 21 { <i>Cancræ</i> . 4 p i <i>Ursæ majoris</i> . 17 <i>Hydræ</i> .

In APRIL MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8.			8 44 45 46 25 47 15+ 48 37½ 50 35 53 9- 54 25 55 23: 56 47+ 57 41 x 9 0 13½ 1 46- 3 37 4 46 8 3 9 24+ 10 26 12 4 13 14- 15 37½ 16 47+ 18 29½ 19 14 x 19 59+ 22 24 23 35 24 43+ 31 2+ 33 28+ 35 23- 37 32 38 52½ 40 28- 42 11 51 31½: 55 23+ 58 2+ 50 8 10 0 2- 5 33- 7 44½ 10 5+ 11 54 15 49½ 17 7+ 19 11 19 59 22 15+ 24 0+ 25 8+: 26 50: 28 11- 29 38- 30 56½ 32 17- 33 31 34 58 36 28+ 37 39- 18 28 41+ 19 38 53½ 20 33 7+			η <i>Ursæ majoris.</i> 4 σ } <i>Cancr.</i> 5 ρ } 2 σ } <i>Ursæ majoris.</i> τ } ω <i>Hydræ.</i> 75 } <i>Cancr.</i> 78 } 19 } <i>Hydræ.</i> 20 } 19 <i>Ursæ majoris.</i> 82 <i>Cancr.</i> 39 <i>Lyncis.</i> 24 } <i>Hydræ.</i> 26 } 6 <i>Leonis minoris.</i> α <i>Leonis.</i> h <i>Ursæ majoris.</i> A } α } <i>Hydræ.</i> 1 τ } 9 } 10 } <i>Leonis minoris.</i> 11 } 33 <i>Hydræ.</i> 8 } <i>Leonis.</i> 11 } 14 <i>Leonis minoris.</i> υ } <i>Ursæ majoris.</i> φ } 17 <i>Leonis minoris.</i> μ <i>Leonis.</i> 8 <i>Sextantis.</i> 18 <i>Leonis.</i> 13 <i>Sextantis.</i> <i>Regulus.</i> 17 } 18 } <i>Sextantis.</i> 19 } 23 <i>Leonis minoris.</i> 22 <i>Sextantis.</i> μ <i>Ursæ majoris.</i> 28 } 30 } <i>Leonis minoris.</i> 32 } 29 <i>Sextantis.</i> i } ρ } <i>Leonis.</i> 48 } 36 } 38; hazy. } <i>Leonis minoris.</i> 39; hazy. } 39 <i>Ursæ majoris.</i> 40 <i>Leonis minoris.</i> 40 <i>Ursæ majoris.</i> 42 <i>Leonis minoris.</i> K <i>Leonis.</i> 1 b <i>Hydræ et Crateris.</i> 44 <i>Leonis minoris.</i> v <i>Hydræ et Crateris.</i> α <i>Lyræ.</i> α <i>Aquilæ.</i> α <i>Cygni.</i>
	4+	44-		3	42+	
	35+ 19+	51½ 14½ 13+		31+ 32½ 1½	21 11+ 55½	
9.	39+	18	1 11 57 14 6 4 21 58 58 44½ 5 2 50+ 6 34 25- 7 19 2- 26 32½ 30 23+	46- 38 40- 29 47½ 11+ 7	24 18- 35- 8 45- 33- 50- 51-	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
10.			4 58 45-	40	35-	<i>Capella.</i>

In APRIL MDCC LVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 10.	1 33— 31— 15+ 56	16 54 39+	5 7 19 2— 26 33— 30 23½ 9 12 4½ 13 14 15 20— 16 27— 18 0+ 19 15— 21 0+ 23 5 25 45 26 54: 29 6½ 32 0 18 28 42½ 19 38 55— 20 33 9—	48— 12— 7½	33 50 51—	Rigel. Castor. Procyon. Pollux. h Ursa majoris. A } Hydra. 29 } θ } Ursa majoris. 26 } 10 } Leonis minoris. 11 } 43 Lyncis. 2 Sextantis. 28 Ursa majoris. 45 Lyncis. e Leonis. α Lyrae. α Aquilæ. α Cygni.
☽ 11.	59+	18 38—	1 19 17× Clouds 18	29 32½	44+ 21½	☉ 1st L. ☉ 2d L. α Lyrae.
♂ 12.	19 2½	4½	21 20 25+		47+	☽ 2d L. 19 ^h 53' 46", 16 mean time.
♀ 13.	21— 5 31+	0— 45 17 54½ 40+	1 26 39— 28 48+ 5 2 51 42 0+ 6 34 25+ 7 19 2½ 2 33+ 30 24 9 3 38+ 6 11— 8 4 9 25+ 10 27 12 5 17 48½ 19 15½ 21 0½ 23 36+ 25 57—: 27 26 30 28× 32 1— 33 16+ 35 24 37 34—: 38 53½ 39 47½: 41 24— 42 42½ 45 7+ 47 21+: 55 24+ 58 3+ 51+ 10 1 5+ 2 38+ 3 36½ 5 34— 7 45+ 9 2½ 10 6+ 11 55 13 45+ 15 50½ 17 8+ 19 12 22 7—	27+ 5+ 48+ 12+ 8 16 17½ 28 49— 20 39+	6+ 45½ 33½ 50½ 51½ 43+	☉ 1st L. ☉ 2d L. Rigel. α Orionis. Syrius. Castor. Procyon. Pollux. 39 } Lyncis. 41 } 26 Hydra. 6 Leonis minoris. α Leonis. h Ursa majoris. α Hydra. λ Leonis. 10 } Leonis minoris. 11 } 8 Leonis. 34 } Hydra. i } o } ↓ } Leonis. e } 18 } φ Ursa majoris. 17 Leonis minoris. μ Leonis. 1 υ Hydra. 9 Sextantis. 19 Leonis minoris. ν } Leonis. π } Regulus. 17 } Sextantis. 18 } 22 } Leonis minoris. 24 } 37 Leonis. 22 Sextantis. μ Ursa majoris. 27 } 28 } 30 } Leonis minoris. 31 } 32 } 29 Sextantis. i } ρ } Leonis. 48 }

In APRIL MDCCCLVII.

DAY of the MONTH	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
13.			10 24 1+ 25 9: 26 51+ 28 12 30 10 32 18- 33 17 34 59+ 36 29½ 37 39½ 39 14 41 28 42 57½ 45 47- 47 9 48 31 50 41× 52 28½ 59 45- 11 1 28+ 3 8+ 4 19 5 18 6 27+ 8 36+ 11 15	39 34+ 3-	13+ 56½	36 } 38 } <i>Leonis minoris.</i> 39 } 39 } <i>Ursæ majoris.</i> 41 } 42 } <i>Leonis minoris.</i> m } <i>Leonis.</i> 1 b } <i>Hydræ et Crateris.</i> 44 } <i>Leonis minoris.</i> v } 2 b } <i>Hydræ et Crateris.</i> 48 } <i>Leonis minoris.</i> 49 } 47 } <i>Ursæ majoris.</i> 49 } a } i } <i>Hydræ et Crateris.</i> x } <i>Leonis.</i> β } <i>Hydræ et Crateris.</i> θ } n } <i>Leonis.</i> φ } v } <i>Ursæ majoris.</i> 76 } σ } <i>Leonis.</i> i } α } <i>Aquilæ.</i> α } <i>Cygni.</i>
14.	37½	53+ 3- 16+ 14½	1 18 28 43- 19 34 42+ 38 55+ 33 9	33 9 32+ 21½ 34+ 3+	47½ 21+ 0+ 13+ 56½	☉ 2d L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } <i>Cygni.</i>
15.	43- 42 37½	22- 21+ 16+	1 34 1- 36 11+ 5 42 0+ 7 19 2½ 19 38 55×	50 48+ 34+	29+ 33½ 50½ 13+	☉ 1st L. ☉ 2d L. α <i>Orionis.</i> Castor. Procyon. α <i>Aquilæ.</i>
17.	31+ 56	16+ 54+ 40- 44½	4 58 45+ 7 19 2+ 26 33 30 24- 9 51 32+ 53 1 55 24+ 10 0 4½ 2 22+ 5 33+ 8 28+ 10 6 17 8 19 33- 22 16 24 1-: 28 11½ 30 10- 32 17½ 33 17+ 35 30 38 7+ 41 24- 43 42+ 47 0½ 48 31 50 41- 52 15+ 53 40 57 1- 59 44½ 11 1 19+ 4 19	41- 48+ 12 8- 4- 3 50+	35½ 33+ 51- 51½ 43	Capella. Castor. Procyon. Pollux. 13 <i>Sextantis.</i> 21 <i>Leonis minoris.</i> Regulus. 32 <i>Ursæ majoris.</i> 23 } <i>Leonis minoris.</i> 39 } 22 } <i>Sextantis.</i> 23 } 28 <i>Leonis minoris.</i> 29 <i>Sextantis.</i> 34 <i>Leonis minoris.</i> 49 <i>Leonis.</i> 36 <i>Leonis minoris.</i> 39 <i>Ursæ majoris.</i> 41 } <i>Leonis minoris.</i> 42 } m } <i>Leonis.</i> 43 <i>Leonis minoris.</i> 41 <i>Sextantis.</i> 47 <i>Leonis minoris.</i> 57 <i>Leonis.</i> β } <i>Ursæ majoris.</i> α } i } <i>Hydræ et Crateris.</i> 51 <i>Leonis minoris.</i> x } 10 } <i>Hydræ et Crateris.</i> β } 69 } <i>Leonis.</i> φ }

In APRIL MDCC LVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 17.			11 5 49 9 24+ 11 21- 12 46+ 14 56+ 17 17 21 5½: 24 23- 26 21 32 28+: 35 25 38 3- 48 25½ 51 49 55 56+ 57 15 59 30+			55 { <i>Ursæ majoris</i> . 56 { λ { γ { <i>Hydræ et Crateris</i> . x { 58 <i>Ursæ majoris</i> . ε { θ { <i>Hydræ et Crateris</i> . ι { ζ { Hazy. 93 <i>Leonis</i> ; hazy. β { <i>Virginis</i> . π { 2 <i>Comæ Berenicis</i> . α <i>Corvi</i> . r <i>Virginis</i> . 4 <i>Comæ Berenicis</i> . γ { <i>Aquilæ</i> . α {
	37 37½	34 3 38 16 x	19 34 42 38 55+	35 21½ 39 34+	36 0½ 40 13	
☽ 18.	49- 42½: Clouds 31 Clouds	28- 43* 21+ 16½ 39½:	1 45 7+ 47 17+ 5 Clouds 6 7 19 2+ 30 24- 9 54 4 55 24 10 0 9- 3 2 6 7½ 6 28+ 32- 10 6 x 11 55- 13 45 15 50 19 43- 24 1 26 50½: 29 2+ 32 17½ 34 59 36 58 39 54- 41 24- 43 12 48 31- 50 56 52 28+ 54 37: 57 1- 11 1 19+ 9 24+ 11 21- 12 46½ 14 57- 17 1+ 20 16+ 25 19 28 13- 40 56 43 22 48 28+ 57 40½ 59 31½ 12 3 17- 20 33 9-	57- 5½ 48 27 12+ 8- 4- 30 43 21 40½	35½ 45+ 33+ Clouds 51+ *3½ 25-	☉ 1st L. ☉ 2d L. α <i>Orionis</i> . <i>Syrus</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> . 14 <i>Sextantis</i> . <i>Regulus</i> . 19 <i>Sextantis</i> . 35 { ζ { <i>Leonis</i> . 40 { γ { 28 { 30 { 31 { 32 { <i>Leonis minoris</i> . 34 { 36 { 39 { 33 { <i>Sextantis</i> . 34 { 42 <i>Leonis minoris</i> . 1 b <i>Hydræ et Crateris</i> . 40 <i>Sextantis</i> . u <i>Ursæ majoris</i> . 3 b <i>Hydræ et Crateris</i> . 55 <i>Leonis</i> . α { <i>Ursæ majoris</i> . 51 { x { <i>Leonis</i> . 64 { 10 <i>Hydræ et Crateris</i> . 69 <i>Leonis</i> . 56 <i>Ursæ majoris</i> . λ <i>Hydræ</i> . γ { <i>Hydræ et Crateris</i> . x { 85 <i>Leonis</i> . 17 { <i>Hydræ et Crateris</i> . 18 { 59 <i>Ursæ majoris</i> . o <i>Hydræ et Crateris</i> . γ <i>Ursæ majoris</i> . 29 { <i>Hydræ et Crateris</i> . 31 { ε <i>Corvi</i> . 68 { <i>Ursæ majoris</i> . δ { α <i>Cygni</i> .
☽ 19.	31+	10	1 48 50 51 0 21 5 42 0+	*49- 39+	19 18½	☉ 1st L. hazy. ☉ 2d L. α <i>Orionis</i> . *40.

In APRIL MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
19.	5	44½:	9 53 1+ 10 55 24 0 4 3 36+ 5 33+ 10 6 11 55- 18 0- 24 1 29 39- 32 17½	4-	43	21 Leonis. Regulus. 32 Ursæ majoris. 37 Leonis. 22 Sextantis. 28 Leonis minoris. 30 Leonis. 33 } 36 } Leonis minoris. 40 } 42 }
With the 15 foot Tube at 14 ^h 35' 58" by this Clock the 2d Satellite of Jupiter immersed.						
Apparent time 12 ^h 44' 4".						
	37x	16 32 15-	19 34 42 20 38 55 33 9	21+ 34+ 34 3x	0 13-	γ } Aquilæ. α } Cygni.
20.	42½ 31 16+ 5-	21 16½ 54+ 44½	1 52 33: 5 42 0+ 7 19 2½ 26 33 24 9 55 24 10 5 33½ 6 32 8 28½: 10 17- 11 39+ 13 45+ 14 50 17 8- 19 19+ 22 16 24 1 26 50+: 28 11½ 29 38: 30 57 32 38 35 55 37 39+ 39 39½ 41 27½ 43 21- 45 47- 47 1 48 31 11 1 9+	40-: 48 12 8- 4-	56 2: 18- 33½ 50½ 51 43	☉ 1st L. ☉ 2d L. α Orionis; windy. Castor. Procyon. Pollux. Regulus. 22 Sextantis. γ Leonis. 23 Sextantis. 43 Leonis. 29 } 31 } Leonis minoris. 32 } 29 Sextantis. 37 Ursæ majoris. 49 Leonis. 36 } Leonis minoris. Hazy. 39 Ursæ majoris. 40 Leonis minoris. 41 Ursæ majoris. 36 Sextantis. 44 Leonis minoris. γ Hydræ et Crateris. 46 } 48 } Leonis minoris. 50 } 47 } β } Ursæ majoris. α } b } δ } Leonis. θ }
23.			2 5 57-:	36+	16-	☉ 2d L.
25.		44	9 55 24- 10 0 8+ 2 22 3 50-: 11 39+ 13 45- 15 50 17 8- 17 59+ 19 19- 22 6+ 24 1- 25 9- 28 11x 29 38+ 30 43 32 17½ 33 16½ 34 59 36 29+ 37 39- 39 13½	3½	43-	Regulus. 19 Sextantis. 23 Leonis minoris. 39 Leonis. 29 } 31 } Leonis minoris. 32 } 29 } Sextantis. 30 } 37 Ursæ majoris. 48 Leonis. 36 } Leonis minoris. 38 } 39 Ursæ majoris. 40 Leonis minoris. 35 Sextantis. 42 Leonis minoris. m Leonis. 1 b Hydræ et Crateris. 44 Leonis minoris. v } 2 b } Hydræ et Crateris.

In APRIL MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H " "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars
D 25.			10 41 23½ 43 12- 45 46- 47 8x 55 54 59 44+ II 1 28- 3 8 4 18½ 5 17+ 6 26+ 8 35+ 11 14½ 13 20+ 15 26+ 17 1 17 54+ 19 11 20 16x 22 22 24 22½ 26 21- 28 12½ 32 29 35 25½ 36 39- 38 2x 41 42 42 35: 43 40 47 30x 49 16+ 51 48+ 55 56			47 Leonis minoris. 55 Leonis. 47 } 49 } Ursæ majoris. ↓ β Hydræ et Crateris. θ } n } Leonis. φ } γ Ursæ majoris. 76 } σ } i } 80 } Leonis. τ } 85 } e } 88 } 17 Hydræ et Crateris. 90 Leonis. θ } i } Hydræ et Crateris. o } ζ } 93 } Leonis. (Cauda). β Virginis. β Hydræ. A Virginis. η Hydræ et Crateris. b Virginis. 1 } Comæ Berenices. 2 } α Corvi.
δ 26.	43- 38 42+ 49+ 5-	18 21 54 39½ 45 30 44	2 16 2 4 21 58+ 5 42 0- 6 34 25 7 19 2- 26 33 30 23+ 8 46 11+ 9 55 24- 10 33 31+ 35 30- 36 58- 39 39 41 27+ 42 24½ 45 46 47 8+ 48 30½ 50 56 53 58½ 55 54 57 1- 59 44 II 9 24 11 14½ 12 21+ 14 27+ 15 26+ 16 41 17 47-: 19 11 22 2 24 22 28 7+ 32 29- 33 22- 35 25+ 36 39 40 56	17 53 39- 39- 5 48- 12- 7+	18x 17½ 45- 33 50 51 47 34- 43-	☉ 1st L. ☉ 2d L. Aldebaran. α Orionis. Sirius. Castor. Procyon. Pollux. ☽ 1st L. 6h 26' 33", 54 mean time. Regulus. K Leonis. 43 Leonis minoris. 40 Sextantis. 46 } Leonis minoris. 48 } 54 Leonis. 47 } 49 } Ursæ majoris. α } 51 } 52 Leonis minoris. 67 Leonis. 10 } Hydræ et Crateris. β } 56 Ursæ majoris. i Leonis. e Hydræ et Crateris. 83 } Leonis. τ } λ Draconis. 86 } 88 } Leonis. 90 } θ Hydræ et Crateris. 92 Leonis. ζ Hydræ et Crateris. γ Virginis. 93 } Leonis. β } γ Ursæ majoris.

In APRIL MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
26.			11 42 23- 47 30+ 49 16 51 48½ 52 49+ 0 43 44			65 <i>Ursæ majoris</i> . α <i>Virginis</i> . 1 } <i>Comæ Berenices</i> . 2 } o <i>Virginis</i> . Pole Star; above.
27.	33- 12+	49½ 52½	4 58 45- 5 9 36 33+ 55 24- 12 43 37 13 9 24 10 45+ 12 26- 17 11+ 19 0- 20 12½ 21 50+ 22 55- 24 30 30 52 31 58 33 2- 34 15½ 35 26+ 36 43+ 37 57 39 17½ 41 37- 43 7 44 7- 46 28 49 18+ 52 37- 56 6 57 51 59 59- 14 2 25- 4 35+	40 5	35- 54 44-	<i>Capella</i> . <i>Rigel</i> . D 1st L. 7 ^h 12' 51", 32 mean time. <i>Regulus</i> . Pole Star; below. 23 <i>Canum Venat</i> . 65 } 71 } <i>Spica</i> 73 } <i>Virginis</i> . 78 } 31 } 24 <i>Canum Venat</i> . o <i>Virginis</i> . i <i>Centauri</i> . 86 } <i>Virginis</i> . 87 } 3 <i>Bootis</i> . 89 <i>Virginis</i> . n <i>Ursæ majoris</i> . h <i>Centauri</i> . 7 } <i>Bootis</i> . n } 92 <i>Virginis</i> . 4 <i>Hydræ Contin</i> . τ <i>Virginis</i> . ω <i>Hydræ Contin</i> . 96 <i>Virginis</i> . α <i>Draconis</i> . κ <i>Virginis</i> . 14 <i>Bootis</i> . <i>Arcturus</i> .
28.	36- 5- 7+	54 39+ 54 44 25 47×	7 19 1½ 26 33- 30 23× 9 55 24- 10 17 8- 19 11+ 19 59+ 22 6: 26 28- 12 43 40 14 29 15 32 1- 33 55 36 5½ 37 18 29 40 17+ 41 14 49 21-	47+ 11½ 7+	32½ 50- 51- 43- 27 48+	<i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> . <i>Regulus</i> . 29 <i>Sextantis</i> . i } ρ } <i>Leonis</i> . 48 } D 1st L. 7 ^h 58' 41", 76 mean time. Pole Star; below. 4 <i>Libræ</i> . 10 <i>Hydræ Contin</i> . o <i>Bootis</i> . 14 <i>Hydræ Contin</i> . 8 } α } <i>Libræ</i> . 12 } 1 ξ } Jupiter's Center. 12 ^h 20' 50", 89 mean time.
29.	42 15+ 56-	20½ 54- 39½ 44+	5 42 0- 6 34 25- 7 26 33- 30 23+ 9 55 24- 10 59 44 11 2 14+ 3 8 48 18½ 5 49- 11 16 19+ 14 36 6 37 18 29+	39+ 12- 7× 4-	17½ 50- 51 43- 17 38+	α <i>Orionis</i> . <i>Syrus</i> . <i>Procyon</i> . <i>Pollux</i> . <i>Regulus</i> . 72 } n } <i>Leonis</i> . φ } 55 <i>Ursæ majoris</i> . D 1st L. 8 ^h 44' 29", 42 mean time. 14 <i>Hydræ Contin</i> . 8 } <i>Libræ</i> . α }

In APRIL MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
29	31+	11	14 40 17½ 44 31½ 45 47½ 14 49 51 0 43 45	31	10½	12 } <i>Librae.</i> 16 } 18 } Jupiter's Center. 12 ^h 17' 25",95 mean time Pole Star; above.
30.	55½ 22—	44+ 6 44 1	2 32 23 6 34 25— 7 19 2— 26 33— 30 23+ 9 55 24— 12 6 41— 43 38	5+ 47½ 11½ 7+ 3½	42× 45— 33— 51— 43— 7 59+	☉ 2d L. Syrus. Castor. Procyon. Pollux. Regulus. ☽ 1st L. 9 ^h 30' 46",64 mean time. Pole Star; below.
May 1, I put back the Clock 2'.						
1.	4+ 15+ 4+	44+ 54— 44	6 34 25— 7 26 33— 9 55 24— 11 4 18+ 5 48½ 7 13— 8 36— 11 20+ 13 20+ 14 56 15 54+ 17 17 19 11 20 16 24 22 26 21 28 12— 32 28+ 33 21+ 35 25+ 36 39— 38 2 40 41+ 42 34½ 43 40— 47 30 48 28 49 42 12 43 39 12 58 12— 13 12 26— 14 47 51—	5+ 12— 3½	45— 50— 43—	Syrus. Procyon. Regulus. ☉ Leonis. 55 Ursa majoris. ☽ Hydra et Crateris. σ Leonis. λ Hydra et Crateris. 80 Leonis. κ Hydra et Crateris. 57 } Ursa majoris. 58 } 88 Leonis. 17 } ☽ } Hydra et Crateris. 62 Ursa majoris. ξ Hydra et Crateris. ν Virginis. 93 } Leonis. β Virginis. β Hydra et Crateris. A Virginis. η Hydra et Crateris. b Virginis. 31 Hydra et Crateris. 67 Ursa majoris. Pole Star; below. ☽ 1st L. 10 ^h 18' 13",17 mean time. Spica Virginis. Jupiter's Center. 12 ^h 7' 34",16 mean time.
2.	28½ Clouds	37 8	2 37 48— 40 0½ 13 Cloudy	40½ 54 26	20× Clouds	☉ 1st L. ☉ 2d L. ☽ 2d L.
3.	17½ 54	57+ 49	2 41 38 43 50 4 58 44+ 5 2 50 7 19 1½ 30 23 9 55 23½ 11 11 14 13 20— 14 55½ 16 40 17 46 21 30 24 22— 26 20+ 32 28 35 25 36 28+ 38 2— 40 41+ 42 34½ 43 39+	31 29	10+	☉ 1st L. ☉ 2d L. Capella. Rigel; faint. Castor. Pollux. Regulus. 1 } Leonis. 80 } κ Hydra et Crateris. λ Draconis. 86 Leonis. 2 Draconis. ☽ } Hydra et Crateris. 93 } Leonis. β Virginis. 3 Hydra et Crateris. A Virginis. η Hydra et Crateris.

In M A Y M D C C L V I I.

DAY of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
3.			11 45 46-: 47 30- 49 15½ 51 48 55 55+ 57 14 59 29 12 3 17- 6 13 7 38+ 8 1 12 5 13 49+ 43 40 13 12 25+ 14 46 50 47 28- 49 44+			b <i>Virginis</i> . 1 { <i>Comæ Berenices</i> . 2 { <i>Corvi</i> . r <i>Virginis</i> . 4 <i>Comæ Berenices</i> . δ <i>Ursæ majoris</i> . n <i>Virginis</i> . * near ζ <i>Corvi</i> . ξ <i>Corvi</i> . f <i>Comæ Berenices</i> . 6 <i>Canum Venat</i> . Pole Star; below. Spica <i>Virginis</i> . Jupiter's Center. 11 ^h 59' 50", 1 mean time. 1st L. } 2d L. } Center. 12 ^h 0' 27", 75 mean time.
4.	33 4-		6 7 19 1½ 26 32 9 55 23+ 11 19 10x 21 5 27 1: 24 21½ 28 51+ 32 28 33 21: 35 25- 36 38 38 2- 40 55+ 42 21+ 45 46- 47 29½ 49 15x 12 33 20 34 58+ 36 3+ 41 43- 43 39 54 20+ 57 3+ 58 9 13 0 30-: 2 53 4 34 6 37- 7 51+ 9 23+ 12 25 14 32 30- 33 54+ 36 5 37 17+: 29- 46 20	47- 11: 31 7 3-	49+ 42	Syrius. Castor. Procyon. Pollux. Regulus. 88 <i>Leonis</i> . ξ <i>Hydræ et Crateris</i> . 90 <i>Leonis</i> ; hazy. 6 <i>Hydræ et Crateris</i> . 62 <i>Ursæ majoris</i> . ξ <i>Hydræ et Crateris</i> . ν <i>Virginis</i> . 93 { <i>Leonis</i> . β { <i>Virginis</i> . γ { <i>Ursæ majoris</i> . 65 } b <i>Virginis</i> . 1 <i>Comæ Berenices</i> . 2 d { <i>Virginis</i> . 34 { <i>Comæ Berenices</i> . 28 <i>Comæ Berenices</i> . ↓ <i>Virginis</i> . Pole Star; below. 14 <i>Canum Venat</i> . 50 <i>Virginis</i> . 42 <i>Comæ Berenices</i> . 54; hazy. } <i>Virginis</i> . 57 19 } 20 } <i>Canum Venat</i> . 21 } 23 } Spica <i>Virginis</i> . 10 <i>Hydræ et Crateris</i> . o <i>Bootis</i> . 14 <i>Hydræ Contin</i> . 8 { <i>Libræ</i> . α } Jupiter's Center. 11 ^h 54' 16", 79 mean time.
6.	29½ 14+	14:	2 53 8:: 7 19 0+: 13 24 29 28 53- 30 51 32 32 34 14½ 35 36 36 42+ 37 55- 41 35+ 43 6 46 26½ 49 17	46½	31½	o 1st L. Castor. 24 <i>Canum Venat</i> . m } o { <i>Virginis</i> . 85 } 87 } g <i>Centauri</i> . 89 <i>Virginis</i> . n <i>Ursæ majoris</i> . 7 { <i>Bootis</i> . n } 4 <i>Hydræ Contin</i> . τ <i>Virginis</i> .

In MAY MDCC LVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
6.	52 26--	8	14 4 34+ 17 53 51--		55 15½	<i>Arcturus.</i> D 2d L. 14 ^h 53' 25", 21 mean time.
7.	55 40 4--	20: 52+	2 57 1-- 7 26 31+ 18 28 42--	31+	20+	☉ 1st L. <i>Procyon.</i> <i>α Lyrae.</i>
8.	With the 15 foot Tube at 12 ^h 3' 41": by this Clock, the first Satellite of Jupiter emerged. Apparent time 9 ^h 0' 14", 1.					
			12 43 38 13 Cloudy 28 52 x 31 56½ 34 14 36 42-- 39 17 41 35 43 6-- 45 27-- 47 14+ 49 17-- 52 27+ 14 2 23+ 4 34 24 5 28 24 29 46½ 31 59 34 22-- 36 4+ 37 28 44 18½ 19 34 40+ 38 53½ 20 1 40½	21 37½ 20 33--	42+ 56 45 38 20½ 59 11½ 3 5	<i>Pole Star</i> ; below. <i>Spica</i> } <i>Virginis.</i> m } i <i>Centauri.</i> 87 } <i>Virginis.</i> 89 } h <i>Centauri.</i> 7 } n } <i>Bootis.</i> 9 } c } τ <i>Virginis.</i> θ <i>Centauri.</i> 14 <i>Bootis.</i> <i>Arcturus.</i> σ <i>Bootis.</i> α <i>Ursae minoris.</i> 1 h <i>Bootis.</i> 5 <i>Librae.</i> ε <i>Bootis.</i> 14 <i>Hydrae Contin.</i> α <i>Librae.</i> Jupiter's Center. 10 ^h 36' 42", 52 mean time. β <i>Cygni.</i> γ } <i>Aquile.</i> α } D 2d L. 16 ^h 53' 2", 71 mean time.
9.	3 25 13½:	5-- Clouds	3 4 46-- 6 59 7 26 31+:	39½	20 48	☉ 1st L. ☉ 2d L. <i>Procyon</i> ; hazy.
10.	o 12	45-- 53--	13 12 24 22 1 34--	3+	2 42 55+	<i>Spica Virginis.</i> D 2d L. 11 ^h 44' 44", 52 mean time.
12.	7-- 29--:	47+	3 16 28 6 18 42 6 34 23: 7 26 31-- 30 21+ 12 43 40 58 8 13 0 29 2 52-- 4 41+ 5 42½ 10 54-- 12 24-- 14 4 34	22½ 3 9½ 5+	3+ 43 21 30+ 48	☉ 1st L. ☉ 2d L. <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Pole *</i> ; below. 42 } <i>Comae Berenices.</i> 43 } 57 } <i>Virginis.</i> c } γ <i>Hydrae Contin.</i> 64 <i>Virginis.</i> <i>Spica Virginis.</i> <i>Arcturus.</i>
13.	2 52+	19 42: 47½	3 Cloudy 4 58 43-- 5 6 34 22½: 7 26 30½: 30 21+ 12 15 54-- 18 28 19 33 21 14-- 24 47+ 26 42-- 29 18-- 33 33 19-- 37 24-- 43 39 10 1+ 44½ 13 12 24--	3 27+ 3-- 5+	6 42½ 49--	☉ 1st L. <i>Capella.</i> <i>Rigel.</i> <i>Syrus</i> ; windy. <i>Procyon.</i> <i>Pollux.</i> 73 } <i>Ursae majoris.</i> 74 } n <i>Corvi.</i> q } 22 } x } <i>Virginis.</i> 27 } p } 2 d } 30 <i>Comae Berenices.</i> <i>Pole *</i> ; below. 63 } <i>Virginis.</i> <i>Spica</i> }

In M A Y M D C C L V I I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
13.	11+ 30+	52+ 10	14 4 33+ 41 50-	15- 43	55½ 9+	<i>Arcturus.</i> <i>Jupiter's Center.</i> 11 ^h 14' 25", 37 mean time.
14.	22 57:	38	3 26 33:	27 55		☉ 1st L. ☉ 2d L. Before the ☉ past, I examined the Transit Instrument; and could not discover any error in its parallelism or direction.
		41½	7 9 55 21+ 12 3 18+ 6 11+ 7 27- 8 23: 10 9- 11 43½ 13 47+ 14 46+ 16 42½ 18 49 20 42½ 22 7 24 44½ 26 41+ 29 17½ 33 33- 34 18+ 36 41 39 13+ 40 43½: 43 20+ 45 35 46 52- 48 4+ 49 6-:	27 9+ 1-	40+	<i>Procyon.</i> <i>Regulus.</i> <i>γ Corvi.</i> n } <i>Virginis.</i> n } 11 <i>Comæ Berenices.</i> 17 <i>Virginis.</i> 4 } <i>Canum Venat.</i> 6 } a } <i>Comæ Berenices.</i> d } g } 20 <i>Virginis.</i> 8 <i>Canum Venat.</i> 25 <i>Comæ Berenices.</i> x } 27 } <i>Virginis.</i> p } 2 d } 34 } 29 <i>Comæ Berenices.</i> 37 } 38 } <i>Virginis.</i> d } 12 <i>Canum Venat.</i> 36 <i>Comæ Berenices.</i> 46 <i>Virginis.</i> 38 <i>Comæ Berenices</i> ; hazy. 78 <i>Ursæ majoris.</i> q. 14 <i>Canum Venat.</i> ↓ <i>Hydræ Continuat.</i> 42 <i>Comæ Berenices.</i> 54 } <i>Virginis.</i> 57 } Spica. <i>Arcturus.</i>
	1+ 41	52	13 0 28½ 2 51½ 12 23½ 14 4 33- 36 1- 41 21-	51 25 3 14	51 2 41½ 55	<i>Jupiter's Center.</i> 11 ^h 10' 0", 93 mean time. With the 15 foot Tube at 15 ^h 41' 20" by this Clock the 2d Satellite of Jupiter emerged. Apparent Time 12 ^h 13' 52", 6.
15.						With the 15 foot Tube at 14 ^h 26' 52" by this Clock the 1st Satellite of Jupiter was emerged. Apparent Time 10 ^h 55' 40". Clouds obscured the Planet until this time; hence, probably, the emerfion happened sooner.
16.			0 43 45			<i>Pole *</i> ; above. Faint.
17.	1+ 2+	41½ 41-	3 36 10+ 38 25+ 5 41 57+ 6 34 21½ 19 38 53- 43 19½	6+ 2+ 32- 58+	46½ 42- 11½ 37+	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>Syrus.</i> α } <i>Aquilæ.</i> β }
18.		41- 51	7 26 29+: 30 20 9 55 20+ 13 4 32		39+ 54+	<i>Procyon.</i> <i>Pollux.</i> <i>Regulus.</i> <i>Arcturus.</i>
19.	39- 12- 9 x	17+ 50+ 50½	3 44 7: 46 22½ 5 41 56+ 7 26 29 11 36 35 14 21 21+ 4 32- 37 26 38 57+ 48 6- 50 21 13 6 33½ 9 20+	3 35+ 8- 13+	43½ 14 46½ 54+	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>Procyon.</i> <i>β Leonis.</i> 14 <i>Bootis.</i> <i>Arcturus.</i> <i>α Libræ</i> ; near 14. <i>Jupiter's Center.</i> 10 ^h 47' 58", 55 mean time.
20.	44-	25-		2	43+	☉ 1st L. ☉ 2d L. 20 } <i>Canum Venat.</i> 23 }

In MAY MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. II / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 20.	3½	42+	13 12 22- 41 33 43 3+ 44 3- 45 25- 49 14½ 52 32+ 57 47 14 2 21 4 32- 8 12+ 13 57½: 15 39+ 20 7+ 21 18 24 2+ 28 21 37 14 38 7+ 17- 23 29½ 46- 15 10 3- 12 12× 13 7+ 15 16	1+ 34 13	40+ 54-	Spica Virginis. 7 } Bootis. 92 Virginis. 9 Bootis. τ Virginis. π Hydræ Contin. α Draconis. κ Virginis. 14 Bootis. Arcturus. 20 Bootis. 8 Hydræ Contin. hazy. φ Virginis. g } Bootis. f } σ } α Ursæ minoris. 8 } Libræ. α } 4th } Satellite of Jupiter. 2d } 3d } Jupiter's Center. 10 ^h 43' 36",04 mean time. 1st Satellite of Jupiter. o Coronæ Borealis. 50 Bootis. η Coronæ Borealis. μ Bootis.
h 21.	43+	24+	3 52 6- 54 21 7 26 28½ 13 12 22- 14 4 31½	7+ 1	46- 40 54-	⊙ 1st L. ⊙ 2d L. Procyon. Spica Virginis. Arcturus.
⊙ 22.	3½ 15½	42+ 49+ 55+	13 12 21½ 14 4 31- 37 35 51 24+: 53 58½ 55 43+ 56 34½	1- 12+	40- 53+ 54+	Spica Virginis. Arcturus. Jupiter's Center. 10 ^h 34' 50",35 mean time. ω } φ } Bootis. 44 } c }
With the 6 foot Reflector at 16 ^h 47' 10" by this Clock the 1st Satellite of Jupiter emerged. Apparent Time 12 ^h 47' 47",5.						
♂ 24.			o 43 47			Pole *; above. Faint.
♀ 25.	2	7 28½ 41+	4 8 10: 10 25½: 13 12 21- 35 23 37 48½ 45 23+: 14 4 30+ 36 16	0½ 12-	41- 52+ 37 35+	⊙ 1st L. ⊙ 2d L. Spica Virginis. g } Centauri. k } 9 Bootis. Arcturus. Jupiter's Center. 10 ^h 21' 44",69 mean time.
♂ 26.	3 8½		14			Arcturus.
♀ 27.	14 53- 8½ 37 32 59 10- 59 8 6½	15 33+ 49½ 44+ 41 15 39- 48+ 38½ 49 46	4 16 15 18 31½ 58 40- 5 41 54+ 6 34 19 7 26 27+ 30 18 9 55 18+ 14 4 30+ 35 26- 15 15 14½ 20 51+ 22 15½ 26 16- 27 55 29 2 30 18- 31 45+ 34 21	19 13 42 33½ 59½ 6 2- 58- 11+ 33 11½	37½ 54 29½ 43 11: 35 49½ 44½ 45½ 37+ 52+ 36 45	⊙ 1st L. ⊙ 2d L. Capella. α Orionis. Syrus. Procyon. Pollux. Regulus. Arcturus. Jupiter's Center. 10 ^h 13' 2",97 mean time. μ Bootis. 37 } Libræ. 39 } μ Coronæ Borealis. κ Libræ. φ Bootis. χ } Serpentiis. ψ } γ } Coronæ Borealis. π }

In MAY MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
27.			15 36 10x 53+ 39 12- 41 52- 44 8 45 56 48 44 50 15+ 51 16+ 53 7½ 55 10 57 3 46- 58 55 16 0 22 1 55- 4 30- 5 31 6 57+ 8 16- 9 43- 11 8+ 12 17 14 28½ 18 36 19 43 20 44- 22 20 23 32+ 25 0 26 13- 27 29- 29 21 30 24 27 32 3+	11½	54-	30 { <i>Serpentis.</i> b { <i>Librae.</i> λ { <i>Scorpii.</i> π { <i>Herculis.</i> δ { <i>Scorpii.</i> 3 { <i>Herculis.</i> r { <i>Scorpii.</i> β { <i>Herculis.</i> 2 ω { <i>Herculis.</i> v { <i>Herculis.</i> κ { <i>Scorpii.</i> q { <i>Herculis.</i> 16 { <i>Scorpii.</i> 17 { <i>Serpentis.</i> 49 { <i>Herculis.</i> 15 { <i>Coronæ Borealis.</i> σ { <i>Herculis.</i> 19 { <i>Serpentis.</i> σ { <i>Herculis.</i> γ { <i>Antares.</i> λ { <i>Ophiuchi.</i> β { <i>Herculis.</i> τ { <i>Scorpii.</i> 31 { <i>Herculis.</i> 12 { <i>Ophiuchi.</i> 33 { <i>Herculis.</i> σ { <i>Scorpii.</i> 24 { <i>Ophiuchi.</i> 14 { <i>Draconis.</i> 16 { <i>Herculis.</i>
28.	18 56- 12	19 37- 53	4 20 18½ 22 34½	21 0 23 16	21 41 57½	⊙ 1st L. ⊙ 2d L.
29.	24 2- 29- 8	25 41 8 49-	13 12 20+ 13 25 48- 14 4 30 21 16½ 22 13- 24 1 34 37 19 26 13- 28 7 29 9½ 30 44 31 3 34 37+ 38 50½ 42 55+ 34 5-	26 59½ 28- 17- 29½ 59-	27 38+ 7½ 52 56+ 55+ 8+ 53-	<i>Spica Virginis.</i> ⊙ 1st L. 8 ^h 55' 44", 39 mean time. <i>Arcturus.</i> ρ { <i>Bootis.</i> κ { <i>Jupiter's Center.</i> 10 ^h 4' 22", 49 mean time. ε { <i>Sagittæ.</i> 45 { <i>Aquilæ.</i> α { <i>Sagittæ.</i> 46 { <i>Aquilæ.</i> κ { <i>Sagittarii.</i> γ { <i>Cygni.</i>
JUNE 1.	8	49-	13 37 51+ 41 31+ 49 13 52 31+ 57 45½ 14 4 30+ 9 5+ 13 56+ 15 4½ 16 51 20 6- 21 17- 24 1 33 28+ 47 37- 49 50 51 23½ 52 43 53 58-	11½	52+	η { <i>Ursæ majoris.</i> γ { <i>Bootis.</i> τ { <i>Virginis.</i> θ { <i>Centauri.</i> α { <i>Draconis.</i> <i>Arcturus.</i> 7 { <i>Hydræ Contin.</i> 8 { <i>Bootis.</i> f { <i>Bootis.</i> g { <i>Jupiter's Center.</i> 9 ^h 51' 26", 36 mean time. 16 { <i>Hydræ Contin.</i> γ { <i>Scorpii.</i> ω { <i>Bootis.</i> β { <i>Bootis.</i> φ {

In JUNE MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
1.			14 56 33½ 57 50 59 44+ 15 3 2½ 5 38 8 37- 10 1 12 1- 14 27+ 15 48+ 16 56: 19 10- 20 24- 21 53+ 23 4 24 53+ 26 16- 27 55 29 0½: 30 17½ 33 28+ 34 35½ 36 10 53 37 57x 39 12- 40 32- 41 52 44 7+ 45 56+ *43 44 50 58- 52 33½ 53 7+ 16 14 29 18 0 0 43 57	15 12 42	16 54½ 24-	c } Bootis. b } 1 } Lupi. 2 } 3 Bootis. 6 Serpents. o Corona Borealis. 50 Bootis. 9 Serpents. 2 } 3 } Libræ. 4 } 11 Serpents. 7 Libræ. 8 Corona Borealis. 41 Libræ. µ Corona Borealis. n Libræ. φ Bootis. x } 2 A } λ } Serpents. v } µ } ω } λ Libræ. ρ Serpents. ρ } π } Scorpii. δ } 3 Herculis. ξ Libræ. 1 u } Scorpii. 2 ω } Antares. D 1st L. 11h 35' 40", 51 mean time. Pole *, above.
2.	2+ 8+ 31 47+ 23 9-	41 49- 27- 50+	12 43 49 13 12 20+ 14 4 30+ 33 6+ 17 24 33	59½ 12-	38+ 52 34 25½ 25 58-	Pole Star; below. Spica Virginis. Arcturus. Jupiter's Center. 9h 47' 8", 21 mean time. D 2d L. 12h 38' 6", 85 mean time.
3.	29 17- 33	11½	9 30 42 18 34 38- 19 38 51-	55 58 25- 30	56 37 32 7+ 8x	Regulus. D 2d L. 13h 40' 9", 11 mean time. γ } Aquilæ. α }
4.	8 31 35-	49- 31 44	14 4 30 14 36 Clouds	11	52 33 43	Arcturus. 104 Virginis. Jupiter's Center.
7.	59 51 2	0 33- 2 59½	5 1 15- 3 32½	57- 4 14½	56	☉ 1st L. ☉ 2d L.
10.	Clouds 7+ 11-	48+ 29 50	7 12 43 54 14 4 29+ 30 30	27 6 11	44 52- 49	Procyon. Pole Star; below. Arcturus. Jupiter's Center. 9h 13' 6", 07 mean time.
11.	23- *48	5- 48+: 33	5 17 47- 20 4½ 14 4 30 30 13	46+ 11- 31	21 28 52 32	☉ 1st L. ☉ 2d L. Arcturus. Jupiter's Center, 9h 8' 52", 52 mean time. *8
12.	32 Hazy 2- 7+ 48½	14- 41- 48+ 43	5 21 56 24 13+ 9 55 17+ 13 12 20- 14 4 30- 4 58 39-	55½ 59 11+ 34+	37+ 36½ 38- 51½ 29	☉ 1st L. ☉ 2d L. Regulus. Spica Virginis. Arcturus. Capella; fluttered.
13.	41- 7x	22+ 48	5 26 4½ 28 22½ 9 55 17x 14 4 29+	5- 57+ 11-	46½ 36½ 51½	☉ 1st L. ☉ 2d L. Regulus. Arcturus.
14.	Clouds		5 30 13+ 32 32-	13½	Clouds	☉ 1st L. ☉ 2d L.
15.	58	40	5 34 22			☉ 1st L.

In JUNE MDCC LVII.

D A of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
δ 21.			15 56 25+; 58 38- 59 59 16 1 53- 6 22: 54+; 9 40 11 6- 12 15- 13 43+ 14 26 17 9- 18 34- 19 40 23 30 26 10+ 28 29- 31 21x 24x 34 28- 35 43- 38 25+ 41 4- 42 24½ 43 39 44 35+; 48 9 50 53+ 52 23+ 41- 54 0+	9	51+	46 <i>Serpentis</i> . x <i>Scorpii</i> . τ <i>Coronæ Borealis</i> . 49 <i>Serpentis</i> . ε <i>Ophiuchi</i> . ν <i>Coronæ Borealis</i> . } Hazy. σ <i>Serpentis</i> . γ } <i>Herculis</i> . o } Antares. φ } <i>Ophiuchi</i> . λ } β <i>Herculis</i> . 12 <i>Ophiuchi</i> . σ } <i>Herculis</i> . 37 } 16 } <i>Draconis</i> . 17 } n } e } <i>Herculis</i> . k } 50 } i <i>Ophiuchi</i> . 53 } <i>Herculis</i> . 55 } 30 <i>Ophiuchi</i> . e } 33 } <i>Herculis</i> . 34 } 60 }
δ 22.	Clouds	2 45:	6 3 28 5 46-	28-	10-	⊙ 1st L. ⊙ 2d L.
η 23.	7:	24 47	11 25 26½	6	26 46	⊙ 1st L. 5 ^h 17' 27", 52 mean time.
ε 24.	Clouds 12 31+ 57+ Clouds	10 47-	6 12 13 50 43 58 14 4 27+ 17 41+ 15 24 17- 18 28 36x 4	8+ 25½ 59 32+	15 28 15 9- 48½ 15+ Clouds	⊙ 2d L. ⊙ 1st L. 6 ^h 1' 47", 35 mean time. Pole *; below. Arcturus. β } <i>Coronæ Borealis</i> . α } α <i>Lyrae</i> . Capella.
b 25.	31x Clouds 5 0+	13½ 46 43	6 15 55½ 18 13½ 43 59 13 3 15 14 4 27 16 14 26 18 33 19 40- 21 8- 23 30- 26 10- 28 28½ 17 59 33x 18 2 39 5 19+ 9 4- 11 45½ 12 51+ 14 40- 16 7 18 16+ 21 52- 25 11 28 36- 32 27 33 49- 35 5½ 36 10+; 19 24 1+ 26 12 27 4x: 29 40	56- 8+ 25+	37½ 4 34 49 51½ 15-	⊙ 1st L. ⊙ 2d L. Pole *; below. ⊙ 1st L. 6 ^h 47' 8", 68 mean time. Arcturus. Antares. λ <i>Ophiuchi</i> . β } <i>Herculis</i> . h } 12 <i>Ophiuchi</i> . σ } <i>Herculis</i> . 37 } 14 <i>Sagittarii</i> . A <i>Herculis</i> . δ <i>Sagittarii</i> . 105 <i>Herculis</i> . 21 } <i>Sagittarii</i> . λ } d <i>Serpentis</i> . μ <i>Lyrae</i> . 37 <i>Draconis</i> . m <i>Aquila</i> . 42 <i>Draconis</i> . α <i>Lyrae</i> . 4 } <i>Aquila</i> . 5 } 110 } <i>Herculis</i> . 111 } i <i>Aquila</i> . ε <i>Sagittæ</i> . σ <i>Aquila</i> . φ <i>Cygni</i> .

In JUNE MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 25.	30+	9	19 31 1 34 35- 36 26 38 48 41 20 43 1+ 43 51½ 21 37 34	27	6	46 } <i>Aquila</i> . 7 } <i>Sagittæ</i> . 57 } <i>Aquila</i> . 13 } <i>Vulpeculæ</i> . 10 } <i>Sagittæ</i> . Saturn's Center. 15 ^h 20' 6", 25 mean time.
⊙ 26.	40 53 18 5-	22 58- 45½	6 20 4½ 22 22+ 13 54 38- 14 4 27-	25 8	46½ 55 57 49-	⊙ 1st L. ⊙ 2d L. ☽ 1st L. 7 ^h 34' 27", 43 mean time. <i>Arcturus</i> .
☽ 27.	49+ Clouds	31 48 12:	6 24 13: 26 31: 14 4 27- 48 54	12½: 8-	55 48½ 50 14½	⊙ 1st L. { Hazy. ⊙ 2d L. { <i>Arcturus</i> . ☽ 1st L. 8 ^h 24' 38", 63 mean time.
♂ 28.	58	40-	6 28 22- 30 39½	Clouds	3½	⊙ 1st L. ⊙ 2d L.
♀ 29.			0 44 15 4 58 36½: 5 2 41		59	Pole *; above. <i>Capella</i> . <i>Rigel</i> ; very faint.
♂ 30.	15- 4 34-	57- 45 13	6 36 39- 38 55 14 4 26+ 26 53-	7 7½	20- 48+ 28 12	⊙ 1st L. ⊙ 2d L. <i>Arcturus</i> . Jupiter's Center. 7 ^h 50' 54", 08 mean time.
♀ JULY 1.	4	45	12 44 2 13 12 17 14 4 26+ 15 32 11- 34 51- 36 6+ 37 49+ 38 35- 39 53+ 41 48 42 48+ 44 4 45 6x 52x 48 40+ 50 11½ 51 12½ 52 30 53 3+ 55 6 56 59 58 36+: 59 57+ 16 1 10- 6 19+ 9 39 11 4½ 14 25 19 39 20 40- 23 40: 26 9 27 25 29 17- 31 38-: 33 1½	56 7½	34+ 48x	Pole *; below. <i>Spica Virginis</i> . <i>Arcturus</i> . α } β } <i>Serpentis</i> . 30 } μ } e } θ <i>Libræ</i> . ρ <i>Scorpii</i> . 40 } π } <i>Serpentis</i> . γ } δ } 3 } <i>Herculis</i> . r } β } 1 ω } <i>Scorpii</i> . 2 ω } v } <i>Herculis</i> . x } <i>Scorpii</i> . τ <i>Coronæ Borealis</i> . 10 <i>Herculis</i> . σ <i>Scorpii</i> . σ <i>Serpentis</i> . γ <i>Herculis</i> . <i>Antares</i> . β <i>Herculis</i> . τ <i>Scorpii</i> . ζ <i>Ophiuchi</i> . σ <i>Herculis</i> . 24 <i>Scorpii</i> . 14 <i>Ophiuchi</i> . 39 <i>Herculis</i> . 16 <i>Ophiuchi</i> .
h 2.	59x	42	16 14 25 19 39 20 40- 23 29- 26 9 27 25- 29 17: 36 38- 34 20½ 36 17- 38 24	8	51-	<i>Antares</i> . β <i>Herculis</i> . τ <i>Scorpii</i> . 12 <i>Ophiuchi</i> . σ <i>Herculis</i> . 24 <i>Scorpii</i> . m } <i>Herculis</i> . 39 } ε <i>Scorpii</i> . 20 <i>Ophiuchi</i> . k <i>Herculis</i> .

In JULY MDCC LVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
2.			10 50 52 52 22 40 53 59 56 20- 58 24: 17 0 18+ 3 5 4 56- 6 20- 7 58 9 10+ 10 46+ 14 9: 16 29- 20 48- 19 38 47½ 52 12½ 54 15+ 55 21- 57 13 20 11 20+ 43 37- 21 1 38- 3 0+ 4 9½ 5 17: 7 46 8 55+ 10 12+ 12 0 13 17x 14 41 15 45- 16 50+ 18 37- 20 23- 21 54x 23 18 24 40+: 26 13+ 31 41½ 32 30 36 24	27-	5+	e <i>Herculis</i> . 33 } <i>Ophiuchi</i> . 34 } 60 <i>Herculis</i> . n <i>Ophiuchi</i> . 62 <i>Herculis</i> . A } <i>Ophiuchi</i> . 39 } 8 <i>Herculis</i> . f } <i>Ophiuchi</i> . 43 } e } <i>Herculis</i> . 70 } u <i>Scorpii</i> . e or 50 <i>Ophiuchi</i> . x <i>Herculis</i> . a <i>Aquilæ</i> . 25 <i>Cygni</i> . n <i>Sagittæ</i> . 64 <i>Aquilæ</i> . 1 b <i>Cygni</i> . 2d L. 13° 26' 33", 13 mean time. 7 <i>Aquarii</i> . 9 <i>Capricorni</i> . 4 <i>Piscis Australis</i> . 30 <i>Capricorni</i> . 15 <i>Aquarii</i> . a <i>Cygni</i> . 9 <i>Equulei</i> . 33 <i>Capricorni</i> . 19 <i>Aquarii</i> . 35 } <i>Capricorni</i> . b } 69 <i>Cygni</i> . 35 <i>Vulpeculæ & Anseris</i> . 8 <i>Aquarii</i> . g <i>Cygni</i> . 8 <i>Piscis Australis</i> . e <i>Capricorni</i> . 4 <i>Aquarii</i> . 4 <i>Pegasi</i> . 76 } <i>Cygni</i> . 77 } Saturn's Center. 14° 51' 22", 87 mean time. Aldebaran.
5.	53 57- 14 12- Clouds	35- 46- 51½	6 57 17- 59 34½ 18 28 35x 23 15 32 0 44 20 4 58 37 6 34 15	16½ 25- 32+ Clouds	58- 13+ 16 52- Clouds	© 1st L. © 2d L. a <i>Lyra</i> . 2d L. 16° 18' 26", 5 mean time. Pole *; above. Capella. Sirius.
6.	0	42-	7 1 24- 3 40+ 9 55 14½	23 23- Clouds	4	© 1st L. © 2d L. Regulus.
7.	6	48	7 5 30 16 23 40 26 9 27 25- 28 50+ 29 16+: 32 0 34 3- 36 17- 38 24+ 46 3 50 51+ 52 22+ 17 0 18+ 3 5½ 5 6- 6 20-			© 1st L. 5 <i>Ophiuchi</i> . 8 <i>Herculis</i> . 24 <i>Scorpii</i> . 14 } <i>Ophiuchi</i> . 16 } 5 } <i>Herculis</i> . i } 20 <i>Ophiuchi</i> . k <i>Herculis</i> . n <i>Ophiuchi</i> . e <i>Herculis</i> . 33 } 34 } <i>Ophiuchi</i> . A } 39 } 8 <i>Herculis</i> . 8 <i>Ophiuchi</i> .

In JULY MDCCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
7.	16+ 30 1 15	55+ 8+ 10	19 34 35- 0 38 47½ 1 44 22 4 21 50+	14 27 13 30	3 5- 3 52+ 10+	γ { <i>Aquilæ</i> . α <i>Pole</i> *; above. D 2d L. 17 ^h 57' 19",0 mean time. <i>Aldebaran</i> .
8.		42	16 14 25 43 38- 44 58 46 2+ 47 4½ 52 22+ 40- 54 38 56 20- 58 24-: 17 0 18+ 3 5 7 4+ 8 14-: 10 6 16 29- 20 11: 23 32- 27 23: 4 58 37- 6 34 15+	8 4 6+	51	<i>Antares</i> . 53 { <i>Herculis</i> . 56 { * <i>Ophiuchi</i> . 57 <i>Herculis</i> . 33 { <i>Ophiuchi</i> . 34 { 19 <i>Draconis</i> . 11 <i>Ophiuchi</i> . 62 <i>Herculis</i> . A { <i>Ophiuchi</i> . 39 { α { <i>Herculis</i> . ω { μ { <i>Hazy</i> . 70 <i>Herculis</i> . e <i>Ophiuchi</i> . * <i>Herculis</i> . α <i>Ophiuchi</i> . 79 <i>Herculis</i> . <i>Capella</i> . <i>Syrus</i> .
9.	18- 4 42 39½ 33+	0- 45- 41+ 12 35	7 13 42- 15 58 14 4 26+ 2 44 0- 4 58 37- 5 2 42- 41 51 6 34 15+	40 4 33: 30 55½	22- 48+ 45 19½ 9	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . D 2d L. 19 ^h 30' 36",77 mean time. <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> . <i>Syrus</i> .
10.	23½	5+	7 17 47 20 4-	45½	27	☉ 1st L. ☉ 2d L.
11.	33+	41 12-	0 44 26 4 58 37- 5 41 51	32½ 30	27½ 9	<i>Pole</i> *; above. <i>Capella</i> . α <i>Orionis</i> .
12.	32+ 4-	14+ 45-	7 25 56 28 12½ 14 4 26 17 17 0 20 11- 27 23- 28 45 30 9 31 20+ 35 35 36 49+ 38 50+ 43 9 45 29+ 47 8½ 49 7- 51 4 53 3 55 40+ 57 41-: 18 0 35+ 2 38 5 18 7 55- 10 3+ 11 13+ 13 13 14 39- 16 6 18 55- 21 51 25 10 28 35	54½ 7+	36+ 48	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . λ <i>Scorpii</i> . * { <i>Herculis</i> . 79 { D <i>Ophiuchi</i> . y <i>Herculis</i> . β { <i>Ophiuchi</i> . y { μ { <i>Herculis</i> . 87 { 30 <i>Draconis</i> . 89 <i>Herculis</i> . 6 <i>Sagittarii</i> . 93 { <i>Herculis</i> . 95 { p <i>Ophiuchi</i> . 98 { <i>Herculis</i> . β { 2 μ <i>Sagittarii</i> . A <i>Herculis</i> . δ { <i>Sagittarii</i> . ε { 106 <i>Herculis</i> . * <i>Lyrae</i> . 109 <i>Herculis</i> . d <i>Serpentis</i> . μ <i>Lyrae</i> . 24 <i>Sagittarii</i> . m <i>Aquilæ</i> . 42 <i>Draconis</i> . α <i>Lyrae</i> .

In JULY MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♂ 12.	46 15 55-	10 41+	15 34 2: 4 21 50+ 58 37- 5 2 42- 17 18- 6 34 15+	30+ 32½ 21- 0- 55+	10× 27+ 59½ 41+ 35	1 <i>Aquila</i> . <i>Aldebaran</i> . <i>Capella</i> . <i>Rigel</i> . ♂ 2d L. 21 ^h 51' 42", 0 mean time. <i>Syrus</i> .
♀ 13	37- 4 25 42×	18 45- 22-	7 30 0 32 17- 12 44 8 14 4 26 27 1 17 0 53 4 50- 6 19½ 7 57½ 9 10 10 46 14 20 16 29- 20 11- 22 9+ 23 33 24 31- 27 23 28 45- 30 9+ 31 20½ 33 16- 35 35 36 49+ 38 50½ 39 50- 43 35- 44 50 47 31- 49 43× 51 52+ 53 3 55 40: 57 21 59 6 18 0 35½	58+ 7	39½ 48 28 20	☉ 1st L. ☉ 2d L. <i>Pole</i> *; below. Faint. <i>Arcturus</i> . <i>Jupiter's Center</i> . 6 ^h 59' 55", 59 mean time. 37 <i>Ophiuchi</i> . ♂ <i>Herculis</i> . ♀ } <i>Ophiuchi</i> . 43 } e } <i>Herculis</i> . 70 } σ } <i>Ophiuchi</i> . e } κ } <i>Herculis</i> . 78 } ξ <i>Serpentis</i> . μ <i>Ophiuchi</i> . 79 <i>Herculis</i> . D <i>Ophiuchi</i> . y <i>Herculis</i> . β <i>Ophiuchi</i> . 84 <i>Herculis</i> . y <i>Ophiuchi</i> . μ } <i>Herculis</i> . 87 } 63 <i>Ophiuchi</i> . z <i>Herculis</i> . b <i>Sagittarii</i> . ζ <i>Serpentis</i> . τ <i>Ophiuchi</i> . 96 <i>Herculis</i> . p <i>Ophiuchi</i> . 98 } <i>Herculis</i> . q } 14 } <i>Sagittarii</i> . 2 μ }
♂ 14.	40+	22	7 34 4- 36 20	2-	43+	☉ 1st L. ☉ 2d L.
♂ 16.			7	45 7-	48+	☉ 2d L.
☉ 17.	49	30	7 46 12- 48 27+	9	50-	☉ 1st L. ☉ 2d L.
♂ 18.	0- 57- 31 24	42- 46- 11- 42- 3 12	16 14 25- 18 28 35 34 9 36 10- 4 21 51- 58 37 5 2 42 41 51: 7 Cloudy 56 30- 12 44 10: 16 14 25- 4 21 51- 58 37½ 59 33 59 32 31- Clouds	8- 24½ 31- 32½ 21 Clouds	50 13+ 16½ 27 0- 52: 51- 27- 10½ 27½	<i>Antares</i> . α <i>Lyræ</i> . 1 <i>Aquila</i> . 111 <i>Herculis</i> . <i>Aldebaran</i> . <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> .
♂ 19.	52 52- 31- 56 47 32 55½	42- 10½ 57 42 41 12+ 33 35	7 Cloudy 56 30- 12 44 10: 16 14 25- 4 21 51- 58 37½ 59 33 59 32 31- Clouds	Clouds 8- 59 32 31- Clouds 56: Clouds	52: 51- 27- 10½ 27½ 43 9 35 36	☉ 1st L. ☉ 2d L. <i>Pole</i> *; below. <i>Antares</i> . <i>Capella</i> ; below. <i>Aldebaran</i> . <i>Capella</i> . α <i>Orionis</i> . <i>Syrus</i> .
♀ 20.		57 34: 59 48½	7 58 15- Clouds	56: Clouds	Clouds	☉ 1st L. ☉ 2d L.
♂ 21.	52+	33+	8 2 15- 4 29+	5 11	52+	☉ 1st L. ☉ 2d L.
♀ 22.	56	46 36-	18 28 35+ 6 34 16	25- 56	14 36+	α <i>Lyræ</i> . <i>Syrus</i> .

After *Capella* passed, I examined the Axis with the Level; and found the East end a little too high:
I set it level again.

In JULY MDCCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
b 23.	51- Clouds 30+	32- 46+ 9+	8 10 13- 12 28- 16 18 28 35½ 19 38 48+	9 8+: 25 27+	50- 51- 14+ 6	☉ 1st L. ☉ 2d L. <i>Antares.</i> <i>α Lyrae.</i> <i>α Aquilæ.</i>
☉ 24.	4 52+ 13 0	13 30 45 45+ 32½ 43-	8 Cloudy 16 26 14 4 27- 14 26 12½ 16 14 26-	17 52½ 7+ 8- 15 8½	33½ 48 48½ 27 32½ 51½	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> ☽ 1st L. 6 ^h 15' 51", 28 mean time. <i>Antares.</i>
☽ 25.	16 47½ 2-	17 28 42½	8 18 9 20 23½ 17 30 10 32 15 33 16+ 35 36 36 50+ 38 51 39 51: 43 10- 44 51- 47 9+ 48 7 51 53 53 4- 55 41 57 41½ 59 7+ 18 0 36+: 2 0 5 19+ 7 55½ 9 54+ 11 14 12 51+ 14 40- 16 7+ 15 55+ 18 56- 21 52 24 7 25 11 28 36- 19 38 48+	21 50 4½	19 31 45+	☉ 1st L. ☉ 2d L. <i>γ Herculis.</i> <i>61 Ophiuchi.</i> <i>84 Herculis.</i> <i>7 Ophiuchi.</i> <i>μ } Herculis.</i> <i>87 } Herculis.</i> <i>63 Ophiuchi.</i> <i>30 Draconis.</i> <i>b } Sagittarii.</i> <i>6 } Ophiuchi.</i> <i>ν } Herculis.</i> <i>96 } Ophiuchi.</i> <i>p } Herculis.</i> <i>98 } Herculis.</i> <i>b } μ } 2 μ } 17 } Sagittarii. d } e } 106 Herculis. x Lyrae. λ Sagittarii. d Serpentis. μ Lyrae. c Serpentis. 25 Sagittarii. m Aquilæ. φ } Draconis. 42 } α Lyrae. α Aquilæ.</i>
♂ 26.	20 44x 58½ 3 4½ 13 0x	21 25- 39½ 45½ 43-	8 22 6- 24 20+ 14 4 27- 16 14 25½ 16 18 28 36-	25 47- 0½ 5 8 15 9- 19 35 20 46	28 42 49- 51½ 20 16 21 27 14x	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Antares.</i> ☽ 1st L. ☽ Center. <i>α Lyrae.</i>
♂ 27.	8 55-	25 21+:	8 28 16½	26 43½ 57½		☉ 1st L. ☉ 2d L.
♂ 28.	28 36+	17-:	8 29 58 32 12 12 44 18 17 57 22½ 59 33½ 18 2 39 5 19+ 7 56 9 55 21 52½ 26 28 31 34½ 35 8 19 38 49-	27 11- 25 28 49½ 28-	53½ 8 29 7-	☉ 1st L. ☉ 2d L. <i>Pole *; below.</i> <i>9 Ophiuchi.</i> <i>14 Sagittarii.</i> <i>A Herculis.</i> <i>d } Sagittarii.</i> <i>e } 106 Herculis. m Aquilæ. ☽ 1st L. 9^h 59' 43", 08 mean time. ☽ Center. 28 } Sagittarii. 29 } α Aquilæ.</i>
♂ 29.	Clouds 25+	43½: 4+	4 21 52 58 38½ 5 2 44-	32x 34 23-	12 1½	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i>

In JULY MDCC LVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 30.	Eclipse of the Moon. Clouds.					
Time by the Clock in the Great Room, which is 38'' 5 slower than the Transit Clock.						
	H / "	H / "				Rev. P ^{ts} .
At 19	19 35	or 10 39 35	App. t.	the bright part	—	15 26½
	23 25	43 24		the fame	—	13 21
	26 5	46 4		the fame	—	12 32½
	38 30	58 27		the fame	—	7 27
	43 11	11 3 7		the Star immersed, the 19 th Capricorni, exact.		
				Difference of Declination from the N. L. about	18 5	
	49 15	9 10		the bright part	—	4 25½
	52 5	12 0		the fame	—	4 6½
	59 30	19 23		the fame	—	2 12
20	2 5	21 58		the chord of the enlightened part	—	20 25
	4 50	24 42		the fame	—	19 26
	6 55	26 47		the fame	—	18 24
	9 30	29 22		the bright part	—	1 28
	13 15	33 6		the fame	—	1 16½
	15 30	35 21		the chord	—	16 30
	21 15	41 5		the chord	—	18 24
	23 15	43 5			—	19 26
	25 0	44 49			—	20 25
	28 0	47 49		the bright part	—	2 12
	36 0 ci	55 48			—	4 6½
	49 15 cir.	12 9 0			—	7 27
	53 0 cir.	12 45		the Star was emerged the 19 th Capricorni. I could not see it a few seconds before this time.		
21	1 30	21 13		the bright part	—	12 32½
	4 0	23 43			—	13 21
	8 40	28 22			—	15 26½
	15 30	35 11		D's Diameter L. to the Equator	—	34 27
	30 50	50 29		dark part	—	7 35
	34 0	53 38			—	6 29
	36 10	55 48			—	5 6
	38 0	57 38		the chord	—	18 22
	39 40	59 17			—	17 25
	42 0	1 37		dark part	—	2 12
	45 0 not ended	13 21			—	
	46 0 ended	21 45' 30'' end.		Apparent time 13 ^h 5' 6".	—	
31+	10	19 34 36+	28	7-	γ } Aquilæ.	
		38 49			α }	
		43 16			β }	
39	1	42½	20 40 25	7½	15½	1st L. 12 ^h 5' 26'', 06 mean time.
27½	42 9½	42 52-	43 33½	3½	23 12½	2d L.
20 32½	21 12½	4 21 52½	34½	28½	4 1	Aldebaran.
	43½	58 39-	23-			Capella.
	5-	5 2 44-				Rigel.
⊙ 31.	41 1:	8 41 42	23-	3+	⊙ 1st L.	
	34 14½	43 55½	36½	16½	⊙ 2d L.	
31 16-	32 9½	20 33 4	58		α Cygni.	
39 35-		40 56			19 } Capricorni.	
	58	21 1 40-	21½		φ }	
		4 11½:			30 }	
7 14	54½	8 35-			1 } 18 Aquarii.	
		10 47			b } Capricorni.	
		14 43½			β } Aquarii.	
17 21	18 0	18 38½	19 18-		37 } Capricorni.	
		21 4			ε }	
		23 20			γ }	
25 9-	22 39	26 29½	30 5-			Saturn. 12 ^h 50' 22'', 17 mean time.
	44	29 24½				δ } Capricorni.
		33 29½				μ }
38 35½	15	39 55	48 2	43	⊙ 2d L. 13 ^h 8' 14'', 72 mean time.	
46 58+	39+	47 20½	23	1½		Rigel.
		5 2 44-				
Δ AUG. 1.	5+	8 47 48::	9-	9:	⊙ 2d L. hazy.	
		14 4 27½	26	50-	Arcturus.	
	27 47+	18 28 37-	39 28 x:	15	α Lyrae.	
Clouds		19	15	49 55-	α Aquilæ.	
47 13		22 48 34+			Δ 2d L. hazy. 14 ^h 5' 22'', 51 mean time.	

In AUGUST MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
2.	48 7½ 20½ 3 5½ 58+ 45 7	47½ 51 1 46½ 47+ 52 43½	8 49 28 51 41½ 14 4 27½ 28 37- 23 46 26½ 1 53 25½	9 22 53 9- 26+ 7- 54 7	49 12+ 50- 15+ 46	⊙ 1st L. ⊙ 2d L. Arcturus. α Lyrae. ⊙ 2d L. 14 ^h 59' 9", 46 mean time. α Arctis.
3.	32-	11-	14 Cloudy 19 38 50-	5 9 29-	50 7½	Arcturus. α Aquilae.
4.	55 51+ 4	58 44½	8 Cloudy 59 25 5 2 44½	57 52½ 0 5+	33 46- 4 2½	⊙ 1st L. ⊙ 2d L. Rigel.
5.	1½ 58½ 32+	2 35: 23 34 44+ 48 11	9 3 1½ 15 24 17½ 16 14 27 18 28 37+ 19 34 37 38 50 43 17+	0 56½ 25 1½ 10 27- 29	36 53- 16 8	⊙ 2d L. α Coronae Borealis. Antares. α Lyrae. γ } Aquilae. α } β }
6.	16 16- 20 33½ 56 50	56- 21 13½ 57 45	3 17 36½ 4 21 53½ 58 40½	18 17 22 34- 59 35½	57 13½ 31	⊙ 2d L. 18 ^h 14' 0", 03 mean time. Aldebaran. Capella. I put fresh oil to the Pallets.
7.	7 23½ 35½ 32½ 7 35½ 20 34- 58+	8 3 10 15+ 11+ 8 16½ 21 13½ 57 45 38+	9 8 43+ 10 55½ 19 29 9+ 31 3 33 45½ 34 37+ 38 50+ 43 17½ 4 8 57½ 21 54- 58 40½ 5 2 45+ 6 34 19-	11 24+ 36 29+ 9 39- 34× 3 24½ 59	10 4 12 16× 8 19+ 14 4 3 39	⊙ 1st L. ⊙ 2d L. α Sagittae. x } v } Aquilae. γ } α } β } ⊙ 2d L. 19 ^h 1' 16", 38 mean time. Aldebaran. Capella. Rigel. Syrius; fluttered.
8.	11 13- 25 18 52+ At 13 ^h 9' 1" I examined the line of Collimation, and found it right; and I now adjusted all parts, level, &c.	52½ 14 5- 19 31½ 47× 48+ 26 26 50½ 33 38½	9 12 33- 14 45 10 20 11+ 14 4 28½ 18 28 38- 21 27 6½ 33 31- 34 19-	13 25× 51 5 10- 27 47- 11+ 59	53 5: 21 30 50½ 16+ 28 26½ 51½ 39	⊙ 1st L. ⊙ 2d L. Venus's Center. 1 ^h 11' 29", 66 mean time. Arcturus. α Lyrae. Saturn's Center. 12 ^h 16' 37", 59 mean time δ Capricorni. Syrius.
9.	15 1½ 13+ 6+ 56 49½ 22 15½ 26 59½ 33 19+ 33- 42 0½ 21 59 25 28½ 32 10½	41 3½ 11½ 47+ 57 44½ 55 48½ 38 11½ 39- 22 40 26 8½ 50½	9 16 21½ 18 33½ 10 24 51+ 12 44 21 14 4 28+ 16 58 40 17 23 34½ 18 28 38 19 34 37½ 38 50½ 43 17½ 20 33 5× 21 26 49- 33 31	2- 14- 59 35½ 14+ 27½ 16½ 30- 56½ 59½	2- 54- 26 10 50½ 0 30× 53½ 16½ 55½ 8½ 35- 34 53 38 9 51½	⊙ 1st L. ⊙ 2d L. Venus's Center. 1 ^h 12' 12", 98 mean time. Pole *; below. Arcturus. Capella; below. α Ophiuchi. α Lyrae. γ } Aquilae. α } β } α Cygni. ε Capricorni. Saturn's Center. 12 ^h 12' 21", 33 mean time. δ Capricorni.
10.	18 50: 1½ 56 50 33 19½ 37 33- 31 17½ 25 11 32 10½	30- 21 41 57 45- 48½ 32 11 50½	9 20 10 22 21 16 58 40 18 28 38 19 34 37½ Clouds 20 33 5 21 26 31:: 33 31	50 23 1+ 59 35½ 27+ 59+ 11+:: 34 11½	41 0 30+ 16+ 56- 40 8½ 53× 51½ 52-	⊙ 1st L. } Hazy. ⊙ 2d L. } Capella; below. α Lyrae. γ } Aquilae. α } α Cygni. Saturn's Center. 12 ^h 8' 6", 13 mean time. δ Capricorni.
11.	56 50	57 44½	9 26 9 16 58 40½ 19 34 38-	26 49+ 59 35½ 17-	27 29- 0 30½	⊙ 2d L. Capella; below. γ Aquilae.

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DAY of the MONTH	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4 11.	33 24 53+ 20 34 56 51-	11½ 33+ 21 14 57 45½	11 38 50½ 21 26 13× 4 21 54+ 58 41× 5 7 26 27-	30- 34½ 59 36½	8+ 33+ 14+ 31 3 3½ 44½	α Aquilæ. Saturn's Center. 12 ^h 3' 54",07 mean time. Aldebaran. Capella. Rigel. Procyon.
8 12.	56 50 37 33 42 0½ 24 36 32 10½	45- 38 12- 39 22 40 25 15½ 50½	9 Cloudy 19 34 37½ 38 51- 43 18- 21 23 21½ 25 56 33 31 4 58 41½	30 35½ 35 17 39 30 57- 36½ 34 11½	31 15½ 30½ 55½ 40 9- 44 35½ 27 16 51½	⊙ 2d L. Capella; below. γ } Aquilæ. α } ε Capricorni. Saturn's Center. 11 ^h 59' 40",85 mean time. δ Capricorni. Capella.
13.	30 11 22+ 59½ 33 24 18- 32 10½ 34+ 56 51- 37× 32 59-	51- 2 47½ 48+ 11½ 58- 50½ 14+ 57 45½ 2 6½ 15½ 25 48	9 31 30½ 33 42 14 4 28+ 18 28 38- 19 38 51- 43 18- 21 25 38 33 31+ 4 21 54× 58 41× 5 2 46- 41 54½ 6 Cloudy 7 26 27	10½ 34 22 10- 27+ 30- 26 18+ 34 11½ 34½ 59 36½ 24½ 42 34 27 6-	35 50 1½ 51- 16+ 8+ 58+ 51½ 14+ 31½ 3½ 12+	⊙ 1st L. ⊙ 2d L. Arcturus. α Lyre. α } Aquilæ. β } Saturn's Center. 11 ^h 55' 27",21 mean time. δ Capricorni. Aldebaran. Capella. Rigel. α Orionis. Syrius. Procyon.
14.	33 57- 56 51 37+ 32 59- 25 10-	36+ 46- 16- 39- 48-	9 35 16: 4 54 41 5 2 45½ 41 55- 6 33 19× 7 26 27-	36½ 3 25- 34- 59½ 27 6	4 31½ 3½ 12½ 39½ 44½	⊙ 1st L. Capella. Rigel. α Orionis. Syrius. Procyon.
15.	Clouds	22- 47+	9 39 2 41 12½: 14 4 28+	Clouds 10-	42 3 32: 50½	⊙ 1st L. ⊙ 2d L. Arcturus.
16.	59+ 33 51+	48½ 11½ 57 46	18 28 38 19 38 51- 4 Cloudy	27½ 30 36½	16½ 9-	α Lyre. α Aquilæ. Capella.
17.	45 12 22½ 59+ 33 1	51½ 12+ 49- 12- 39+	9 46 31+ 48 2 18 28 38 34 38- 38 51- 43 18	11 22 27½ 30 57-	50½ 1½ 17- 8½ 35×	⊙ 1st L. ⊙ 2d L. α Lyre. γ } Aquilæ. α }
18.	20 25½	21 15+ 57 46½ 2 7½ 41 16½	9 52 26 4 21 55½ 58 42 5 2 46½ 41 56-	53 6- 22 35½ 59 37½ 3 25½ Clouds	45 15½ 32½ 4 4½	⊙ 2d L. Aldebaran. Capella. Rigel. α Orionis.
19.	0-	49 32 12	18 28 38+ 20 33 6½	25- 34 0½	17- 54	α Lyre. α Cygni.
20.	34 2- 16×	13- 40 32 12½ 22 56:	19 34 39- 38 52- 43 19 20 33 6½ 21 Cloudy	31- 58- 34 1-	10- 36× 54× 4 56×	γ } Aquilæ. β } α Cygni. Saturn's Center.
21.	2 55 1- 14- 18½ 21 59+	50 13 40+ 13- 39+ 21 16-	10 1 24½ Clouds 18 28 39× 19 38 52 43 19+ 20 33 7- 21 23 19+ 4 21 56+	28½ 31 58 1- 22 36½	2 43½ 4 53½ 18- 10 36½ 54½ 21 39+ 23 16+	⊙ 1st L. ⊙ 2d L. α Lyre. α } Aquilæ. β } α Cygni. Saturn's Center. 11 ^h 21' 40",33 mean time. Aldebaran.
22.	3 48½	27½	10 Cloudy			⊙ 1st L.
25.	9+ 59 58½	50+ 41 6 51½	14 4 31½ 19 1 24:	2 7:	54- Clouds	Arcturus. ⊙ 1st L. 8 ^h 44' 23",33 mean time. 1 ε Sagittarii.

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DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.	
25.	21— 53— 38 31+ 40 41 2+ Clouds	14 21 33 18— 10+ 41 19½ 42+ 52:	20 33 8 21 22 13+ 4 21 58+ 58 45 5 2 49+ 58½ 6 33 22+ 7 26 31:	2 40+ 42 37½	5½ 23 33½ 18 7 43 16 43— 48	α Cygni. Saturn's Center. 11 ^h 4' 48",94 mean time. Aldebaran. Capella. Rigel. α Orionis. Syrius. Procyon.	
26.	40 41½ 33 3 25 13½	41 20 33 43— 52	The Pendulum fwings 2' 13". 5 41 59 6 34 23½ 26 31—		42 38 35 3½ 27 10—	43 16½ 43½ 48½	α Orionis. Syrius. Procyon.
27.	18 3	51 52×	14 4 32+ 18 28 42—	13½ 31+	54+ 21—	Arcturus. α Lyrae.	
28.	28 2 3½ Clouds 37 20 4 13 13½ 56 56 40 42+ Clouds	41 52: 16 42 40 15×	10 27 11 29 20 18 28 42: 19 34 42 38 55 20 33 9+ 21 18 45— 21 24+ 29 3— 33 36— 22 14 35+ 16 57 4 58 46½ 5 2 50½ 42 0— 7	50 59½ 31½ 21 34+ 4— 15 16½ 59 42— 3 30— 39 19 47	28 29 38 20+ Clouds 13 57+ 22 45— 58— 4 8½ 43 17½ 32½	☉ 1st L. very windy. ☉ 2d L. α Lyrae; windy. γ } Aquilae. β } α Cygni. β Aquarii. Saturn's Center. 10 ^h 52' 11",54 mean time. α Capricorni. ☽ 1st L. 11 ^h 45' 13",76 mean time. ☽ 2d L. Capella. Rigel. α Orionis. Castor.	
29.	29 32 15 42+	11	10 30 50 32 59 23 17 2½	38+ 43+	17 23—	☉ 1st L. ☉ 2d L. ☽ 2d L. 12 ^h 43' 34",49 mean time.	
30.	11+ 4 38 5+ 2+ 13 11— 43 5—	52+ 53 3+ 17— 44+ 16+ 2— 44½ 54	14 4 33½ 18 28 43— 19 34 43— 38 56— 43 23 20 33 10+ 0 14 30 5 42 1— 6 34 25 7 26 33—	Clouds 32+ 22+ 35— 2— 4+ 10— 40— 31 7+	55½ 21 14— 40× 58 49 18+ 45 50 51	Arcturus. α Lyrae. γ } Aquilae. α } β } α Cygni. ☽ 2d L. 13 ^h 36' 56",17 mean time. α Orionis. Syrius. Procyon. Pollux.	
31.	12— 8 27½ 5 16—	52½ 45 54×	14 4 34 1 9 48— 35 4— 39 29 41 0½ 6 34 25+ 7 26 33 30 24	15+ 27+ 5½ 12 8	56+ 11 7 45+ 50+	Arcturus. ☽ 2d L. 14 ^h 28' 8",81 mean time. 4 Arietis. 1 ζ Ceti. ξ Piscium. Syrius. Procyon. Pollux.	
SEPT. 1.	28— 54 38½: 2½ 2 16—	6½ 8 32×	10 41 46 43 54½ 12 9 11 19 34 43+ 38 56+ 43 23+ 20 33 10½ 2 3 35	34— 35×	12½ 28+ 14 58+ 4 55—	☉ 1st L. ☉ 2d L. Venus's Center. hazy. 1 ^h 25' 43",88 mean time. γ } Aquilae. α } β } α Cygni. ☽ 2d L. hazy. 15 ^h 17' 51",13 mean time.	
3.	Clouds 39— 18 31— 47 43— Clouds 17	18— 45 10½ 3— 55+ 41	10 38 57— 19 43 24 21 19 51 3 49 4+ 5 42 2— 6 34 26 7 26 34 30 25:	51 48— 36— 3— 45+ 41— Clouds 13+ Clouds	28 15— 21 11+ 50 26— 19× 46 51×	☉ 2d L. α } Aquilae. β } Saturn's Center. 10 ^h 27' 1",18 mean time. ☽ 2d L. 16 ^h 55' 10",65 mean time. α Orionis. Syrius. Procyon. Pollux.	
4.	51 21+	0+	10 52 39+ 54 47+	26½	5	☉ 1st L. ☉ 2d L.	

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DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 4.	5½ 17	55- Clouds 46+ 55+	18 28 44 4 6 34 26+ 26 34+	33½ 59 43+ 6½	Clouds 38 46½ 51½	<i>α Lyræ.</i> <i>Capella.</i> <i>Syrus.</i> <i>Procyon.</i>
♂ 6.	35+	15-	10 59 53+ 2 1½	40+	19+	☉ 1st L. ☉ 2d L.
♂ 7.	25-	18½	20 33 13-	7	1-	<i>α Cygni.</i>
♂ 8.	49+ 33 28	28- 7-	11 7 7- 9 15 19 34 46:	54- Clouds	Clouds	☉ 1st L. ☉ 2d L. <i>γ Aquilæ.</i>
♂ 10.	37 41½ 8+ 35: 19 Clouds	20+ 48+ 18 20 58- Clouds	19 Cloudy 6 34 29- 7 19 6+ 26 36½ 30 27½	52 15½ 12-	49- 37: 54- 55:	<i>α Aquilæ.</i> <i>Syrus.</i> <i>Castor; faint.</i> <i>Procyon.</i> <i>Pollux.</i>
☉ 11.	39+	18- 34 7×	11 17 56½ 20 5- 19 Clouds 43 26½ 20 33 14 7 26 37- 30 28-	43+ 8 16- 11½	21 22 40 17½ 2- Clouds 55+	☉ 1st L. ☉ 2d L. <i>γ } Aquilæ.</i> <i>α } β } α Cygni.</i> <i>Procyon.</i> <i>Pollux.</i>
♂ 12.	27 8½ 37 42 42 9½ 20- 0×	57½ 38 20½ 48 32 20 58- 44	18 28 47- 34 47- 19 39 0- 43 27- 20 33 14+ 7 26 37 30 28-	29 36+ 35 26 39- 44 5½ 34 8½ 16- 12-	30 25+ 36 4½ 40 17½ 44× 35 2+ 54 55½	<i>α Lyræ.</i> <i>γ } Aquilæ.</i> <i>α } β } α Cygni.</i> <i>Procyon.</i> <i>Pollux.</i>
♂ 13.	23 51 59½ 28½ 42 9½ 20 Hazy	24 30- 38 7½ 21- 48 58	11 25 8+ 27 16½ 19 34 47- 39 0 43 27 26 37 7	17 55½ 26 39- 6- 16 31 12	25 33½ 5- 18- 44+ 54+ 55½	☉ 1st L. ☉ 2d L. <i>γ } Aquilæ.</i> <i>α } β } Procyon.</i> <i>Pollux.</i>
♂ 14.	27 27 35 42	28 5½ 30 14- 21 20	11 28 44 30 52½ 19 34 47 39 0 20 33 14×	23 31+ 26+ 39 9-	30 1+ 10- 18 2+	☉ 1st L. ☉ 2d L. <i>γ } Aquilæ.</i> <i>α } α Cygni.</i>
♂ 15.	3- 42+	41 21+ 20	11 32 20- 34 28 19 34 47 39 0 43 27 20 33 14+	7- 26× 39 9-	54 5+ 18- 2½	☉ 1st L. ☉ 2d L. <i>γ } Aquilæ.</i> <i>α } β } α Cygni.</i>
♂ 16.	34 38½ 47 27- 10-	35 17 37 25½ 15 39+ 57+ 20+ 49+:	11 35 56+ 38 4+ 13 16 19- 14 4 38- 18 28 47- 20 33 14½ 6 34 30-	36 34½ 43- 37- 9- 10+	37 13: 39 21½ 17 36× 0 26: 3- 50	☉ 1st L. ☉ 2d L. <i>Venus's Center. 1^h 33' 38" 13 mean time.</i> <i>Arcturus.</i> <i>α Lyræ.</i> <i>α Cygni.</i> <i>Syrus.</i>
♂ 17.	38 14½ 23 43- 27	53- 41 1 8 38 21½ Clouds 21-	11 39 31½ 41 40- 19 34 47+ 39 0+ 43 27+ 33 15-	10 42 18½ 26½ 39+ Clouds 9	49- 57 5+ 18 3-	☉ 1st L. ☉ 2d L. <i>γ } Aquilæ.</i> <i>α } β } α Cygni.</i>
☉ 18.	50: 16+ 37 48½ 27+	29- 57 29+ 21-	11 43 7½ 45 15+ 14 4 38+ 15 39 11- 19 39 0+ 20 33 15-	54 20- 39½ 9+	18- 0½ 40 32+ 18+ 3-	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>☉ 1st L. 3^h 48' 14", 33 mean time.</i> <i>α Aquilæ.</i> <i>α Cygni.</i>
♂ 19.	45 26½ 34+ Clouds 16+	46 5- 13- 57+	11 46 43 48 51½ 13 14 4 38½	47 22 49 30½ 20-	48 0 50 8½ 31 13- 1-	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> <i>Arcturus.</i>

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DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
19.	9 Clouds 10½	35 13+ 58 49	16 35 56- 18 28 47+ 19 39 1- 20 43 28- 33 15+	30 37½ 37- 40 7- 9+	25½ 18½ 45+ 3+	☉ 1st L. 4° 40' 53",86 mean time. α <i>Lyræ</i> . α { <i>Aquilæ</i> . β { <i>Cygni</i> .
20.	49 2 34 4 9+ 43 11- 27½	41 46½ 58+ 8½ 22 49 21+	11 50 19+ Clouds 17 35 29- 18 28 47½ 19 34 48- 39 1 43 28 20 33 15+	Clouds 52 27+ 36 11½ 27 42 7- 9+	53 6× 53½ 26 6 18+ 45+ 3	☉ 1st L. ☉ 2d L. ☉ 1st L. 5h 36' 20",79 mean time. α <i>Lyræ</i> . γ { <i>Aquilæ</i> . α { <i>Cygni</i> .
21.	52 38- Clouds 17	53 16+ Clouds 3 57½	11 53 55 56 3× 14 Cloudy	34- 42 20+	Clouds 57 20 Clouds	☉ 1st L. ☉ 2d L. <i>Arcturus</i> .
23.	59 50 58½ 3 19½ Clouds 42 14 Clouds 50	36½ 0+ 4 0+ 59½ 56- 14 59: 29-	12 1 7+ 3 15½ 14 4 41½ 18 28 49: 20 43 38- 21 15 39- 5 42 7½	46 54½ 5 23- Clouds 44 20- 47-	2 24+ 4 33- 6 3½ 45 2- 16 59 25×	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . α <i>Lyræ</i> . ☉ 1st L. 8h 32' 10",24 mean time. Saturn's Center. 9h 4' 5",34 mean time. α <i>Orionis</i> .
24.	3 26½ 35 4+	4 5- 6 13+ 59+ 19+ 29	12 4 44- 6 52 4 58 55 5 2 59- 42 8-	22½ 7 30½ 51- 8- 47-	1 Clouds 45½ 17- 25+	☉ 1st L. ☉ 2d L. <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> .
25.	7 3 10½ 44½	41 0- 23	12 8 20- 18 28 49 19 39 2	Clouds 39- 41-	27+ 20-	☉ 1st L. α <i>Lyræ</i> . α <i>Aquilæ</i> .
26.	29: 42 17+	23- 42 57:	20 33 17 23 43 37-	Clouds Clouds	Clouds	α <i>Cygni</i> . ☉ 1st L. 11h 19' 51",39 mean time.
27.	15½	54	12 15 33-			☉ 1st L.
28.	2+ 11-	31- 0	12 19 9½ 18 28 49+	39	28	☉ 1st L. α <i>Lyræ</i> .
29.	30- 30 53: 31 32:	8 31 32: 2 Cloudy	12 22 47- 24 55+ 2 Cloudy	34	12+	☉ 1st L. ☉ 2d L. ☉ 2d L.
30.	27 11 45 23 39 6- 42- 54+: 13- 23 4½	0+ Clouds 1 21- 31 53- 2 48	18 28 50- 19 39 3 3 25 0+ 4 58 56 5 2 59½ 42 10- 6 34 33 7 26 41 30 32	39 Clouds 40½ 1- 39+ 48+ 13 20- 16	Clouds 26 21 46 17 26½ 33+ 59- 59½	α <i>Lyræ</i> . α <i>Aquilæ</i> . ☉ 2d L. 14h 44' 54",94 mean time. <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> . <i>Syrus</i> . <i>Procyon</i> . <i>Pollux</i> .
Oct. 1.	28 45- 53+ 11+	29 23 31 32- 0½	12 30 2- 32 10½ 18 28 50 20 33 17½	40½ 49+ 39+ 12-	31 19 33 27½ 28+: 5½	☉ 1st L. ☉ 2d L. α <i>Lyræ</i> . α <i>Cygni</i> .
2.	32 22½ 31½ 11 1½ 13+ 23½	33 1 35 10 43- 53+ 2½	12 33 40- 35 48½ 5 12 24½ 6 18 15+ 23 48 26 12½ 28 23- 34 33½ 7 19 11 26 41+ 30 32+	18½ 27½: 13 6½ 14 57- 20 16+	Clouds 37 6-: 48 53½ 42+ 59- 0-	☉ 1st L. ☉ 2d L. ☉ 2d L. 16h 24' 9",38 mean time. 20 { <i>Geminorum</i> . γ { <i>Canis majoris</i> . 2 γ <i>Geminorum</i> . <i>Syrus</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
3.	36 1- 9½ 45+ 13 4 28	39 48+ 11- 24 51½ 1 1+ 5 10- 13 59+	37 18- 39 27+ 19 34 50 39 3 43 30+ 6 1 41½ 6 5 52- 14 40½ 20 27	57 6 29½ 42× 9+ 6 34 22-	35½ 44+ 8+ 47½ 15½	☉ 1st L. ☉ 2d L. γ { <i>Aquilæ</i> . β { <i>Orionis</i> . ☉ 2d L. 17h 13' 31",92 mean time. γ { <i>Geminorum</i> .

In OCTOBER MDCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
3.	22 28 28 1 33 13½ 24	23 8½ 45— 53½ 3— 48+	6 23 48½ 29 29× 34 34— 7 19 11 26 41+ 30 32+	30 14— 14+ 57 20+ 16+	57½ 54+ 42 59 0	γ { <i>Geminorum</i> . 28 { <i>Syrius</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
4.	39 38½ 48+ 19 38 19 45+	40 17½ 27 0 59 24	12 40 56+ 43 6— 14 4 41 39 39+ 19 39 3× 6 29 29½ 31 47— 34 34 36 54— 47 43½ 49 49½ 58 48½ 49—	35 14 44½ 40 20— 42½ 37 40½ 59 31 31 17	14 23½ 3 59½ 22— 0 12½ 32 0½	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . <i>Venus's Center</i> . 1 ^h 45' 54",77 mean time. α <i>Aquilæ</i> . 28 { <i>Geminorum</i> . 2 ε { <i>Syrius</i> . 6 } <i>Geminorum</i> . 1 ω } <i>Geminorum</i> . ζ } ☉ 2d L. 18 ^h 2' 23",66 mean time. <i>Pollux</i> .
6.	12+ 31—	1+ Clouds	18 28 51— 20	40	29 35 7—	α <i>Lyræ</i> . α <i>Cygni</i> .
7.	46+ 31	25+ 25—	19 39 4+: 20 33 19—	Clouds 13	7—	α <i>Aquilæ</i> . α <i>Cygni</i> .
8.	54 18+ 15+ 26 7—	57— 55+ 27+ 4½ 50½	12 55 36— 57 45 6 34 35½ 7 19 13 26 43+ 30 35—	24 16 59 22+ 19—	3— 6— 44½ 1— 2+	☉ 1st L. ☉ 2d L. <i>Syrius</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
9.	57 59+ 9 15	58 38— 47½ 26 53½	12 59 16½ 13 1 26½ 19 39 5 43 32½	56— 2 6— 44+ 11+	34½ 44+ 23 50—	☉ 1st L. ☉ 2d L. α } <i>Aquilæ</i> . β }
10.	48— 32+	26½ 26 54 54	19 39 6—: 20 33 20 9 55 34—	Clouds 14+ 56 13½	23½ 8	α <i>Aquilæ</i> . α <i>Cygni</i> . <i>Regulus</i> .
11.	4 22½ 32½ 21½	6 1 11 13 2—	13 6 40 8 50+ 21 13 42+	19× 29½	58 8 15 3—	☉ 1st L. ☉ 2d L. <i>Saturn's Center</i> . 7 ^h 51' 18",70 mean time.
13.	9 6½: 14½: 48+ 33—	45:: 53:: 27 26	13 10 23:: 12 32:: 19 39 6 20 33 20½	2:: 13 11: 45 15	41: 50: 24— 8½	☉ 1st L. hazy. ☉ 2d L. α <i>Aquilæ</i> . α <i>Cygni</i> .
14.	Clouds 41	17 9½ Clouds 29+	13 17 49:: 19 58½ 7 19 15+	18 28 20 38 20 37+ 24 20½ 56 14½	Clouds 21 17 22+ 4— 4+ 54	☉ 1st L. ☉ 2d L. <i>Castor</i> . <i>Star 5th</i> . <i>Procyon</i> . <i>Pollux</i> . <i>Regulus</i> .
17.	27 43+ 54½ 49+ 34 12 10+	28 22 33+ 28 27 51—	13 29 2— 31 13— 18 28 54 19 39 7 20 33 22— 21 13 31—	41½ 52—	20+ 32 30½ 25 9+ 14 51½	☉ 1st L. ☉ 2d L. α <i>Lyræ</i> . α <i>Aquilæ</i> . α <i>Cygni</i> . <i>Saturn's Center</i> . 7 ^h 27' 30",46 mean time.
18.	29— 47 2— 17 22: 15½ 49× 34—	7+ 47 43 4: 4½ 28 27+ 19 7½ 26 7½	13 32 47— 34 58— 15 48 24+ 18 18 47: 28 54+ 19 39 7+ 20 33 22— 7 19 53 26 46 47 24+	37+ 43½ 46+ 16 20 38½ 27 25 31 21½	16 49 47 20 12: 32+ 9+ 21 23 28 3½ 32 5	☉ 1st L. ☉ 2d L. <i>Venus's Center</i> . 1 ^h 59' 21",53 mean time. ☉ 1st L. very hazy. 4 ^h 29' 19",54 mean time. α <i>Lyræ</i> . α <i>Aquilæ</i> . α <i>Cygni</i> . A small Star compared with the Comet, Sep. 17. <i>Procyon</i> . A small Star following S°. of <i>Procyon</i> . <i>Pollux</i> .
19.	35 14½ 36 3 24—	53½ 5 4 5—	13 36 33— 38 44× 14 4 46—	37 12+ 23½ 27+	51 40 3— 6 6	☉ 1st L. ☉ 2d L. <i>Arcturus</i> .

This afternoon I examined the line of Collimation of the Transit Instrument, and found it had

In OCTOBER MDCC LVII.

DAY of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
8 19.	altered so much since the last adjustment, that when the Axis was inverted, the mark appeared so much to the left hand, that the Wire seemed almost to touch the western edge in appearance. I readjusted the line of Collimation, and changed the ends of the Axis. The Cylinders seemed to be exactly equal, and the level of the Axis was not altered since the last adjustment.					
	27 15 19 38	28 4 20 20½	18 28 54— 19 21 3+	29 43 46	30 32— 28½	α <i>Lyræ</i> . D 1st L. 5 ^h 27' 30", 16 mean time. 53 } 22 } <i>Sagittarii</i> . f }
	31 0—	28 7½ 40½	25 41 28 48— 32 21½		36 12× 25	γ } α } <i>Aquilæ</i> . β }
	37 49½ 16½	38 28 55½	34 54 39 7× 43 34	44 46½ 13+ 15+	51½ 9½ 46—	α <i>Cygni</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
	44+ Clouds	30— 7 53	20 33 21 7 19 15½ 30 37—	27 25 Clouds	Clouds	
4 20.	15 49 16½ 21 41½	4 28— 55+ 22 23½	18 28 53½ 34 54 19 39 7 43 34— 20 23 6—	3 33 46 Clouds 25 2 15½	32 12 24+ 30½ 43	α <i>Lyræ</i> . γ } β } <i>Aquilæ</i> . D 1st L. 6 ^h 25' 26", 63 mean time. D Center. 17 <i>Capricorni</i> . α <i>Cygni</i> .
8 21.	48	27—	13 44 6½ 46 18	58—	37—	⊙ 1st L. ⊙ 2d L.
b 22.	2— 57 54	35+ 58 42	5 42 14+ 59 30—	53½	32	α <i>Orionis</i> . A small Star that was near the Comet Sep. 12.
⊙ 23.	50 24½ 36½ 33+ 18 27 26 2	51 3½ 15½ 4 4½ 27— 19 7— 29 13½	13 51 43 53 55 14 4 45½ 20 33 21+ 23 19 47— 27 23— 34 12 35 40	23— 35— 5 27 15+ 20 27 21 36½	2½ 14 6 8 9+ 21 7 22 16	⊙ 1st L. ⊙ 2d L. <i>Arcturus</i> . α <i>Cygni</i> . D 1st L. 9 ^h 9' 50", 83 mean time. D Center. 1 α <i>Aquarii</i> . λ } 19 } <i>Piscium</i> . 20 }
D 24.	26 50 13 52— 21 41½	54 53— 57 5 28+ 14 31+ 22 19½	55 32½ 57 45 19 39 7+ 0 15 11 0 22 58×	56 12 24½ 46+ 51— 16 59	57 4— 25 30+ 17 39	⊙ 1st L. ⊙ 2d L. α <i>Aquilæ</i> . D 1st L. 10 ^h 1' 9", 89 mean time. D Center. 14 <i>Ceti</i> .
8 25.	8 13½ 20 55 31 32—	53— 17 3½ 23 49½ 33 10½	1 9 32+ 1 17 42+ 22 14 24 29 26 26 26 51— 29 2½ 49½	10 12+ 11 19½ 21½	51½ 59	D 1st L. 10 ^h 51' 26", 16 mean time. D Center. μ } 100 } π } <i>Piscium</i> . 103 } 105 } ν }
8 26.	7—	2 34— 46	14 3 13½ 5 26—	6 53 5:	32½ Clouds	⊙ 1st L. ⊙ 2d L.
8 28.	9 38— 51— 52 19+ 55— 12 48	10 17 Clouds 34+ 7— 27	14 10 57 13 10— 3 53 41— 4 22 15— 59 2— 5 3 6+	37— Clouds 22— 57— 45+	16: : Clouds 55 3— 35 52 24+	⊙ 1st L. ⊙ 2d L. D 2d L. 13 ^h 23' 19", 21 mean time. <i>Aldebaran</i> . <i>Capella</i> . <i>Rigel</i> .
b 29.	13 30½ 44 16 50+	14 10— 23½ 5+ 29 28—	14 14 50— 17 3½ 18 28 54½ 19 39 8 20 33 22	29½ 43½ 4+ 7 16	9 23— 33+ 26 10	⊙ 1st L. ⊙ 2d L. α <i>Lyræ</i> . α <i>Aquilæ</i> . α <i>Cygni</i> .
⊙ 30.	Clouds Hazy 50+ 41 9— 20	Clouds 17: 29+ Clouds 5½	14 18 44: 20 57½: 19 39 8+ 5 42 32+ 6 34 40+ 14 4 47—	Clouds 37: 47+ 14+ 20½ 28	3½: 17— 26+ 43 56 0+ 9	⊙ 1st L. hazy. ⊙ 2d L. α <i>Aquilæ</i> . D 2d L. 15 ^h 3' 9" mean time. <i>Syrius</i> . <i>Arcturus</i> .

In NOVEMBER MDCCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
31.	21 18: 35 9	Clouds 28+	14 22 38: 20 33 22½ 6 36 33:	17— 15½	10+ 57:	☉ 1st L. α Cygni. ☽ 2d L. hazy. 15 ^h 53' 56", 73 mean time.
Nov. 1.	31 28 17½	10—	At Noon I wound up the Clocks.			Procyon. ☽ 2d L. 16 ^h 43' 0", 19 mean time. Pollux.
2.	29 10½ 24½ 33 38— 37 51½ 42 19— 9— 51—	50 14+ 34 17— 38 30 57½ 29— 13 31—	14 30 30 18 32 44+ 19 34 56 39 9+ 43 36½ 20 33 23 21 14 11+	10+ 33 24½ 35½ 48½ 44 15+ 17	50+ 34 4½ 14+ 27 53½ 11 15 32	☉ 1st L. ☉ 2d L. α Lyræ. γ } Aquilæ. α } β } α Cygni. Saturn's Center. 6 ^h 25' 14", 63 mean time.
3.	16+ 10 49	56 57	8 57 38 9 12 11	52+	58 59½ 13 33+	Mars's Center. 18 ^h 2' 50", 36 mean time. ☽ 2d L. 18 ^h 17' 20", 97 mean time.
4.	35½	30+ 29	19 39 10— 20 33 23	49— 17	11—	α Aquilæ. α Cygni.
5.	48 42		10 50 2—	42	Clouds	☽ 2d L. 19 ^h 47' 3", 19 mean time.
6.	45 4— 19— 27	41: 8—	46 24: Clouds 14 4 40+	4½: Clouds 30½	Clouds 11+	☉ 1st L. ☉ 2d L. Arcturus.
7.	4+ 18½ 53— 36+ 25 19	44+ 7½ 31½ 30 58½	14 50 24½ 52 40+ 18 28 57+ 19 39 11— 20 33 24+ 12 26 38 45 10—	2—: 46+ 50— 18 27 17—	1—: 35½ 28½ 12 57	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. α Cygni. ☽ 2d L. 21 ^h 15' 30", 63 mean time. Pole Star, faint: below.
8.	53 6— 21½ 36 24 33 39½ 37 53 57 59+ 11 4: 18 27 25 33½ 29 14½ 52 45 58 36 9 56½ 27½	46+ 1½ 37 6½ 34 18½ 58 47— 0 48+ 2 8½ 41: 17 43 17 44 25 35 34 3— 19 12 26 12— 58— 53 28½ 59 15½ 37: 8+	14 54 26½ 56 42 17 37 50— 19 34 57½ Clouds 0 45 6 5 59 34½ 6 1 35½ 12 38: 18 24 18 25 22 15 23 58— 26 18½ 29 16— 31 56— 7 19 57½ 12— 30 42— 54 13— 8 59 58+ 9 11 18½ 13 11: 14 4 49½ 14 58 28× 0 44: 15 2 32— 4 48— 17 49 28+ 19 39 11½ 43 38+ 20 33 25 8 59 59 11 19½ 13 10: 14 4 50½	7— 57 22½ 38 32½ 37×: 44 17 3 43½ 13 25 30 22½ 23½ 43— 29½ 26— 56: 0 40 12 0 51½: 31— 9— 1 24½ 29— 51— 17+ 19+ 40½: Clouds 32—	47 3— 15+ 16 58 4 30½ 14 11 20 21 23 7 25 28 28½ 29½ 27½ 8½ 9½ 39½ 1 22 32½: 56 59½ 12—	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 25' 51", 47 mean time. γ } Aquilæ. β } Pole Star; above. c Compared with the Comet Sept. 12. b Sept. 12. a Sept. 12. Sept. 13. 20 } 21 } 23 } 7 } 25 } 28 } 28½ } 29½ } 30 } 31 } 32 } 33 } 34 } 35 } 36 } 37 } 38 } 39 } 40 } 41 } 42 } 43 } 44 } 45 } 46 } 47 } 48 } 49 } 50 } 51 } 52 } 53 } 54 } 55 } 56 } 57 } 58 } 59 } 60 } 61 } 62 } 63 } 64 } 65 } 66 } 67 } 68 } 69 } 70 } 71 } 72 } 73 } 74 } 75 } 76 } 77 } 78 } 79 } 80 } 81 } 82 } 83 } 84 } 85 } 86 } 87 } 88 } 89 } 90 } 91 } 92 } 93 } 94 } 95 } 96 } 97 } 98 } 99 } 100 }
9.	57 7½ 23½	48 3½	14 58 28× 0 44:	9— 1 24½	49+ 5—	☉ 1st L. ☉ 2d L.
10.	11— 5 3— 54— 37+ 58 34 9 57 28+	51— 45+ 32+ 0— 31 59 18— 38½ 9+	15 2 32— 4 48— 17 49 28+ 19 39 11½ 43 38+ 20 33 25 8 59 59 11 19½ 13 10: 14 4 50½	29— 51— 17+ 19+ 40½: Clouds 32—	9 49 54— 29 56— 13 1 21½ 13—	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 29' 35", 11 mean time. α } Aquilæ. α Cygni. f Compared with the Comet Sept. 23. b Sept. 24. a Sept. 24. Arcturus.
11.	5 15—	55	15 6 36—	7 16+	57—	☉ 1st L.

In NOVEMBER MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
/'	''	/'	''	/'	''	
11.	31+ 20- 54 0	11½ 9- 33- 31+ 14 40	15 8 52 18 28 58 19 39 12- 20 33 25½ 21 15 21- 0 45 3 9 13 12: 56 3	33- 47½ 51- 21-:	10 13 37- 30- 13½ 16 41	☉ 2d L. α Lyrae. α Aquilae. α Cygni. Saturn's Center. 5 ^h 50' 58", 29 mean time. Pole Star; above. Star a compared with the Comet Sep. 24. Star Sep. 24.
12.	9 20- 36½ 20	10 0 16½ 9 32	15 10 41- 12 57+ 18 28 58+ 19 38 12+ 20 33 26 0 45 2 12 45 7 14 4 51+	21½ 13 38 48- 20+	2- 14 18½ 37 14- 13+	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilae. α Cygni. Pole Star; above. Pole Star; below. Arcturus.
13.	13 25 42 29:	14 5½ 22½	15 14 46 x 17 3½ 14 4 51::	27 44 32½	8- 24½ 13½	☉ 1st L. ☉ 2d L. Arcturus; windy.
14.	32- 55 14 30	12-: 34- 10+	15 18 53 21 10 : 19 39 13- 20 33 26½ 21 15 51- 0 45 3 12 45 7 14 4 52+	Clouds 52- 20½	22 31 30+ 15- 17 11½	☉ 1st L. ☉ 2d L. α Aquilae. α Cygni; windy. Saturn's Center. 5 ^h 39' 39", 20 mean time. Pole Star; above. Pole Star; below.
16.	47- 21 55+ 3 29- 38½	27+ 10- 21- 34 11- 32+ 11+:	15 27 8+ 29 26- 18 28 59½ 19 35 0 20 39 13 20 4 54- 33 27- 0 45 2 12 45 7 14 4 52+	Clouds 49 39+ 52+	47+ 38 18 31 6 18½ 14½	☉ 1st L. ☉ 2d L. α Lyrae. γ } Aquilae. α } ☉ 1st L. 4 ^h 21' 1", 60 mean time. α Cygni. Pole Star; above. Pole Star; below. Arcturus.
17.	56- 21 45+: 5 5- 15 4- 30	36 10 34+ 32½ 46+ 44- 11+	15 31 17 33 35- 18 28 59+ 19 39 13+ 20 33 27- 21 6 28+ 16 24+ 0 45 3 12 45 8: 14 4 52½	16 49- 52+ 21	57- 38 31- 15- 7 51½ 17 45 14½	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilae. α Cygni. ☉ 1st L. 5 ^h 18' 30", 22 mean time. Saturn's Center. 5 ^h 28' 24", 29 mean time. Pole *; above. Pole *; below. Hazy. Arcturus.
18.	Clouds		14 4 53-	34	15-	Arcturus.
19.		1 36½	23 Cloudy	Clouds	3 37½::	☉ 1st L.
20.	55 33- 49 25- 53+ 37+ 18+ 23 20+ 25+ 28 31+	12½ 50 3½ 3 59 39- 16 2- 23 16 1- 5- 33 6½ 12+	23 56 52½ 0 45 0 50 42½ 55 49½ 58 25 59 43 x 1 1 25 } 1 26 } 7 19 24½ 26 55- 30 46- 9 23 56+: 24 41- 55 44+ 10 33 46- 12 45 6 14 4 53½	51 45 53 18 5 17- 10+ 34- 30 24- 35-	58 12- 56- 12+ 14- 26 2 4- 35 3+ 16-	☉ 1st L. 7 ^h 56' 37", 64 mean time. Pole Star; above. ε Piscium. 25 Ceti. 73 Piscium. 29 } Ceti. 33 } 34 } ζ Piscium. 39 Ceti. Castor. Procyon. Pollux. 8 Leonis. Mars's Center. 17 ^h 22' 52", 63 mean time. Regulus. 37 Sextantis. Pole Star; below. Arcturus.
21.	46 39½ 58½ 57 40½	47 20½ 39+ 36- 34	15 48 2- 50 20½ 19 39 15- 20 33 28	43 51 2 54- 22	24- 43- 32½ 16	☉ 1st L. ☉ 2d L. α Aquilae. α Cygni.

In NOVEMBER MDCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
21.	48 46½	49 26-	0 50 6-	45 51 52	24½ 52 32-	☽ 1st L. 8 ^h 45' 45",75 mean time. ☽ Center.
22.	53 11½ 41	53 52½ 34+	Clouds 15 54 34- 20 33 28½ 0 45 1	52 56½ 55 15 23-	56 16+	☉ 1st L. ☉ 2d L. α Cygni. Pole Star; above. ☽ 1st L.
23.	37 58: 41+	37-: 35	19 39 16- 20 33 29 0 45 3	55- 23+	33+ 17-	α Aquilæ. α Cygni. Pole Star; above. ☽ 1st L. 10 ^h 22' 51",95 mean time. ☽ Center. Pole *; below. Arcturus.
24.	59 21 27 24- Clouds	Clouds Clouds	16 0 43+ 3- 18 20 34 29½ 0 45 2	44: 24-:	Clouds Clouds	☉ 1st L. ☉ 2d L. α Lyrae. α Cygni. Pole *; above. ☽ 1st L. 11 ^h 11' 59",13 mean time. Pole *; below. Arcturus.
25.	36 42-	17 35½	16 4 58½ 7 18 20 33 29½ 0 45 1	0- 4-	41 17+	☉ 1st L. ☉ 2d L. α Cygni. Pole Star; above. ε Piscium.
26.	Clouds 17 47+ 7+	10 53: 46+	16 11 34½: 5 19 11 42 25+ 12 45 8: 14 4 56	12 16 53- 4+	57½ 20 34½ 43 43+	☉ 2d L. ☽ 2d L. hazy. 12 ^h 54' 25",28 mean time. α Orionis. Pole Star; below. Arcturus.
27.	12 9+ 29+ 59+ 43	50½ 11- 38 36+	16 13 32- 15 52 19 39 17 20 33 30½ 5 58 13: 6 13 45- 34 50+	13½ 33½ 56+ 25- 27 31-	54½ Clouds 35- 18: 15 9- 10+	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. ξ Orionis. ☽ 2d L. 13 ^h 44' 53",69 mean time. Syrius.
28.	Clouds 25+ 21 57 0 43+ 17 36- 6 22:	14+ 39+: 38+ 36½ 16- 45- Clouds	16 17 49½ 18 29 4- 19 23 22 39 18- 20 33 31+: 21 18 56+ 4 22 25 7	53+ 25+ 5+	42+ 24 47 35+ 20 17- 45+ 9 10:	☉ 1st L. α Lyrae. Venus's Center. 2 ^h 52' 21",06 mean time. α Aquilæ. α Cygni. Saturn's Center. 4 ^h 47' 36",36 mean time. Aldebaran. ☽ 2d L.
24 DEC. 1.	24- 27 27 1+ 45-	25+ 16 40 38	16 30 47- 33 7- 18 29 5+ 19 39 19 33 32½	49- 55 58 27-	31- 44- 37- 20+	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilæ. α Cygni.
3.	38 5½ 26½	47- 8 30½	16 39 29- 41 50 23 2 10- 5 0+ 7 14- 9 4+ 13 41 17 19- 24 25½ 27 54- 0 45 4 4 22 28- 59 15 5 3 19+ 11	11- 32 33- 8 10 58+ 16 30::	52 Clouds 48 5 37	☉ 1st L. ☉ 2d L. φ Aquarii. γ Piscium. 96 Aquarii. τ Pegasi. 2 b Aquarii. q Pegasi. 16 } Piscium. Pole Star; above. Aldebaran. Capella. Rigel. ☽ 2d L.
4.	4 2- 3 38	17 5+ 4 19-	12 5 21 Clouds 45 7 14 5 0	6 0½ 41½	6 40 22½	☽ 2d L. 19 ^h 7' 57",67 mean time. δ Corvi. Pole *; below. Arcturus.

In DECEMBER MDCCCLVII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
5.	46 49- 10+ Clouds 57 30 31 46½ 8+ 52 7- 3 38½	47 30½ 12- 58 11½ 40:: 48+ 4 19½	16 48 12+ 50 33½ 18 19 39 21- 59 54- 20 Clouds 0 45 2 4 22 28+ 12 45 6 53 25+ 14 5 1-	54½ 16- 29 56 40 0 36 8+ 5- 42	36 57+ Clouds 39- 0 18- 48½ 54 44 6 23	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. Venus's Center. 3 ^h 1' 12",33 mean time. α Cygni. Pole Star; above. Aldebaran. Pole *; below. ☿ 2d L. 19 ^h 51' 57",62 mean time. Arcturus.
6.	33 38 3½ 2 28 47 9- 6+ 3	51 53 15- 42+ 10 40+: 49 21+ 41-	16 52 35× 54 56½ 19 39 21+ 20 3 52 33 35- 4 22 29 59 17- 5 3 20½	17+ 55 39- 12+ 0-	59 20× 39+ 5 16- 22½ 49+ 7+ 38	☉ 1st L. ☉ 2d L. α Aquilæ. Venus's Center. 3 ^h 1' 13",44 mean time. α Cygni. Aldebaran. Capella. Rigel.
7.	55 35 57 56½ Clouds 4 9½	56 16½ 58 38+ 19- 43 49+	16 56 59- 59 20+ 18 29 8 19 39 22 4 22 30- 12 45 3	57 40½ 0 2× 1 10	58 22 0 44 Clouds 40- 50-	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. Aldebaran. Pole *; below.
8.	58+ 30 5-	40 19 43+ 41½	17 1 22 3 43+ 18 29 9- 19 39 22+ 20 33 36- 0 44 58:	5- 58: 1+ 30-	47- Clouds 40- 23+	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. α Cygni. Pole *; above.
9.	48 20 49 21 10+	42- 29 50+	20 33 36- 21 22 9+ 0 44 58 4 22 30½	30 10½	24- 23 29½ 50½	α Cygni. Saturn's Center. 4 ^h 7' 28",81 mean time. Pole *; above. Aldebaran.
10.	9½ Clouds 48+ 10+ 28	9 29- 51 42 50+ 23- 42½	17 10 11- 12 33:: 18 20 33 36 0 45 0 4 22 30½ 59 18+ 5 3 22	53½ Clouds 39 58+ 30+ 10+ 14- 1+	47+ 24- 50½ 8½ 40-	☉ 1st L. ☉ 2d L. α Lyræ. α Cygni. Pole Star; above. Aldebaran. Capella. Rigel.
11.	12	53½	17 14 36- 16 58-	40	21½	☉ 1st L. ☉ 2d L.
13.	22 3- 24½ 31 38 6:	45:: 6+ 20 Clouds	17 23 27- 25 48½ 18 29 10- 19	24 9- 26 31- 59 2+	51- 27 12+: 48 41	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ.
14.	49 43 39+ 11 5- 14+ 36+ 11 36 41	42½ 21½: 51- 23+ 43½ 53 34 16 12 15- 22	20 33 37- 45 4: 4 22 31 59 19- 5 3 23- 42 32 6 34 56+ 12 45 3 13 12 54+ 14 5 3+	31- Clouds 39 58+ 30+ 10+ 14- 1+	24½ Clouds 51 9 40½ 50- 17- 12½ 5+	α Cygni. ☿ 1st L. 3 ^h 10' 49",32 mean time. Aldebaran. Capella. Rigel. α Orionis. Syrius. Pole *; below. Spica. Arcturus.
15.	54	36	17 32 18+ 34 41- 18 29 9½ 4 22 31+ 59 19 5 3 23-: 14 5 3+	23 Clouds 11+ 14+ 2 4½	5- 51+ 9+ 41-: Clouds	☉ 1st L. ☉ 2d L. α Lyræ. Aldebaran. Capella; windy. Rigel. Arcturus.
16.	31+ Clouds Clouds	20+	18 29 10- 19 20 33 37-	59+ 40 3-: 31-	48½ Clouds 25-	α Lyræ. α Aquilæ. α Cygni.
17.	39 46½:: 42 9½ 39 56-	40 29- 51 40 35½	17 41 11 43 33+ 23 41 15½	53 44 15½ 56-	42 35 44 57½ 42 35½	☉ 1st L. ☉ 2d L. ☿ 1st L. 5 ^h 54' 43",82 mean time.

In DECEMBER MDCCLVII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
17.	48 35- 58 2 11+ 5 15	49 13 52 44+ 0 35 51+ 23½ 44- 53+	23 49 52- 53 23½ 59 22½ 0 1 15- 4 22 31½ 59 19+ 5 3 23 42 32½ 15	43 3 54 2+ 55- 12- 14½ 2+ 11½	43 51 17 51½ 9½ 41- 50 26 19::	☽ Center. 29 } <i>Pisium.</i> 30 } ☿ Ceti. <i>Algenib.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>α Coronæ Borealis.</i>
18.	44 13× 36- 32- 25 25 33 25½: 11+ 5+	55 Clouds 21- 34 5:: 51+ 24 44	17 45 37½ 47 59½ 18 29 10 0 26 54 0 34 44 4 22 32- 59 19+ 5 3 23+	19½ Clouds 59½ 35 24- 37 29½ 12- 15- 2+	Clouds 48½ 38 3 9 51½ 10- 41	☉ 1st L. ☉ 2d L. <i>α Lyræ.</i> ☽ <i>Andromedæ.</i> ☽ 1st L. 6 ^h 44' 7", 50 mean time. ☽ Center. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i>
20.	53 7- 55 29½ Clouds 6+ 49+	49- 56 11+ 45 43	17 54 31 56 53½ 18 29 11- 19 39 24- 20 33 37+	13 36- 0- Clouds 31+	55 17½ 49- 42 25	☉ 1st L. ☉ 2d L. <i>α Lyræ.</i> <i>α Aquilæ.</i> <i>α Cygni.</i>
23.	Clouds 13- 55 18 2 6½ 16	2 42: 52+ 59½ 10 46 54½	18 Cloudy 4 22 33- 4 56 41½ 5 3 24+ 11 30 42 34- 3 2 18 9 16- 19 8- 22 3- 23 37-	13+ 23× 30 58 12 14	53 4½ 58 12+ 4 42+ 51	☉ 1st L. <i>Aldebaran.</i> ☽ 1st L. 10 ^h 45' 41", 43 mean time. ☽ Center. <i>Rigel.</i> <i>β Tauri.</i> <i>α Orionis.</i>
24.	10 54½ 13 17 27 33	11 36+ 58½ 28 22-	18 12 18½ 14 41 29 11½	13 1 15 23½ 30 1-	42½ 5 50	☉ 1st L. ☉ 2d L. <i>α Lyræ.</i>
26.		27-	2 14 46 21 7+ 23 42 27 1+ 28 22 33 7- 34 19- 40 34 3 2 18 9 16- 19 8- 22 3- 23 37-	47½		☿ } σ } <i>Ceti.</i> ν } δ } ε } π } ι τ } 2 τ } 12 } <i>Eridani</i> 16 } 17 } ε } 19 }
27.	14 8 18- 31 17	27- 47- 56+ 58 27+ 41 57- 22 33:	0 44 55- 4 22 34+ 59 22 5 3 26- 42 35+ 8 32 40½ 0 44 55- 4 22 34+ 59 22 5 3 26- 42 35+ 8 32 40½	14 17+ 5- 15+ 22+	54+ 12+ 44- 53 4	Pole Star; above. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> ☽ 2d L. 14 ^h 5' 19", 95 mean time.
28.	28 42- 31 3½ Clouds 14½ 18+ Clouds	29 23½ 45½ 54+ 58 27+ 41 57- 22 33:	18 30 5½ 32 28- 19 39 27- 4 22 35- 59 22½ 5 42 36- 9 Cloudy	47½ 33 10 6: 15 18- 15-	30- 52 45 55- 13 53½ 24 36:	☉ 1st L. ☉ 2d L. <i>α Aquilæ.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>α Orionis.</i> ☽ 2d L.

In JANUARY MDCCLVIII.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
JAN. 1.	Clouds		13 13 0	Clouds	14 18	<i>Spica Virginis.</i>
b 2.	40+ Clouds	20 20	13 21 0 14	5 50+	22 19+ 31	☽ 2 L. 18 ^h 29' 14", 61 mean time. <i>Arcturus.</i>
d 3.	21+ 10+ 20	1+ 49 59-	4 21 41+ 59 25 5 3 28+ 42 38-	21+ 20 7+ 17-	1 15- 46+ 56-	☿ <i>Tauri.</i> <i>Capella.</i> <i>Rigel.</i> α <i>Orionis.</i>
g 4.	59 40 17+ 35 11-	Clouds 57 30 50-	19 1 3½ 3 25½ 0 44 58½ 4 22 37+ 59 25+ 5 3 29-	Clouds 17+ 21- 8-		☉ 1st L. ☉ 2d L. <i>Pole Star</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i>
7 5.			0 44 59			<i>Pole Star</i> ; above.
z 6.	57 16:11 27 39+	58:11 28 28x	16 58 40½:11 18 29 17½	30 7½	0 5½ 56x	☽ 2d L. faint. 21 ^h 50' 33", 18 mean time. α <i>Lyræ.</i>
b 7.	15 13 19 57 37- 41 22½ 33 45- 27 40-	59- 58 32 42 1+ 34 24½ 28 29-	19 Cloudy 19 Cloudy 0 44 58 4 22 39 59 27x 5 42 40½ 6 35 5- 12 44 50 18 29 18+	14 57½ 0 23- 4 10- 43 19½ 45- 30 7½	59 17½ 48½ 58 36 25 56½	☉ 1 L. ☉ 2 L. <i>Pole *</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> α <i>Orionis.</i> <i>Syrus.</i> <i>Pole *</i> ; below. α <i>Lyræ.</i>
☉ 8.	17 14½ 19 36 38 14- 57 37½ 2 13 41 23+	56 20 17+ 52½ 51- 58 32 52+ 42 2-	19 18 38- 20 59+ 39 31½ 20 33 45- 0 44 59½ 4 59 28- 5 3 31x 41-	19 20- 21 41+ 40 11- 0 23 4 10+ 43 20-	20 1½ 22 23- 40½ 33- 18 49 58½	☉ 1 L. ☉ 2 L. α <i>Aquilæ.</i> α <i>Cygni.</i> <i>Pole Star</i> ; above. <i>Capella.</i> <i>Rigel.</i> α <i>Orionis.</i>
b 9.	57 38 41 23½	58 33- 2 52½ 42 2+	0 45 0 4 22 40 59 28½ 2 32½ 5 3 31½ 42 41+	23 20+ 0 23½ 4 11- 43 20+	24 0+ 18½ 59-	<i>Pole Star</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> A small Star preceding <i>Rigel.</i> <i>Rigel.</i> α <i>Orionis.</i>
d 10.		26 40x	19 27 22: 29 41½: 12 44 48	Clouds		☉ 1 L. ☉ 2 L. <i>Pole *</i> ; below.
g 11.	20- 41 40 43 15-	33 22 32 52 41 22: 33+ 54-	19 31 43 34 4- 39 33½ 20 33 46: 22 42 1+: 0 44 54½ 4 59 29 5 3 32+	24½ 45½ 40 12½ 23 21½ 24+ 11½	6-: 27- 51+ 35 34-: 43 19½ 24 1½ 19+ 50½	☉ 1st L. ☉ 2d L. α <i>Aquilæ.</i> α <i>Cygni.</i> <i>Venus's Center.</i> 3 ^h 17' 12", 1 mean time. <i>Pole Star</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i>
u 12.	21+ 39- 15 25	1+ 34- 54- 3½ 31	4 22 41+ 59 29½ 5 3 33- 42 43- 12 44 54½ 18 29 20½	21+ 25- 12 21½	51+ 20- 51 0+ 39	<i>Pole *</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> α <i>Orionis.</i> <i>Pole *</i> ; below. α <i>Lyræ.</i>
g 13.	1- 19 25½ 22- 57 39½ 43-	42- 20 5½ 2- 58 34½ 2 54½ 32-	19 40 23 42 44 23 20 45½ 0 44 55 4 22 42 59 30 5 Cloudy 12 44 55 18 29 21	5½ 21 26- 0 25½ 10½	22 7- 5½ 2 20½ 59½	☉ 1st L. ☉ 2d L. ☽ 1st L. 3 ^h 47' 57", 0 mean time. <i>Pole Star</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Pole *</i> ; below. α <i>Lyræ.</i>
b 14.	15 26	Clouds	19 Cloudy 0 16 46:	47 44½	Clouds	☉ 2d L. ☽ 1st L.

In JANUARY MDCC LVIII.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
h 14.			0	18 33½ 44 56-		☽ Center. Pole Star; above. Aldebaran. Capella. Rigel. Castor. Procyon. Pollux.
	40 16	2 35- 55	4 22 42+ 59 30 5 3 34 7 19 46 27 16 31 8-	23- 25+ 13 32 55+ 52+	3- 20+ 52- 17½ 33½ 35½	
☉ 15.	9 13-	52-	1 10 32-	11 11½ 12 17½ 48½	51- 57½ 27	☽ 1st L. 5h 29 32, 6 mean time. ☽ Center. ☿ Piscium. Aldebaran. Capella. Rigel. α Orionis. α Lyrae.
	16 53 23- 40+ 16½ 26+	17 31 2½: 35+ 55: 5 32	18 10- 4 22 43- 59 30½ 5 3 34+ 42 44- 18 29 22-	23- 26 13+ 23-	3 21 52+ 1½ 0	
☽ 16.	51 56 54 16	52 37+ 54 57	19 53 19- 55 38½ 0 44 54- 2 3 59½	54 0+ 56 20	57 1+	☉ 1st L. ☉ 2d L. Pole Star; above. ☽ 1st L. 6h 17' 55", 8 mean time. ☽ Center. Aldebaran. Capella. Fluttered. Rigel. α Orionis. Pole *; below.
	2 40 23 23 41- 16½	3 19+ 2½ 35+ 55+	4 22 43 59 30½ 5 3 34+ 42 44 12 44 51	3 39½ 4 45 23 26 13½ 23	20- 24½ 3 21 52+ 2-	
♂ 17.	26+ 48+ 16- 59½ 40+	5+ 28+ 1 38 24	5 42 44+ 6 35 9- 7 19 47- 27 17 31 8 12 44 52½	23+ 49 32½ 56 52	2- 29 18 34½ 36	α Orionis. Syrus. Castor. Procyon. Pollux. Pole *; below.
♂ 19.	4 44½ 7 3½ 23½ 38 31	5 25x 7 44½ 22 3+ 39 12½	20 6 6+ 8 26- 4 22 43½ 39 54-	48 35½ 41 42½	7 29 9 48 3½ 16½ 42 24	☉ 1st L. ☉ 2d L. Aldebaran. ☽ 1 L. 8h 42' 36" mean time. ☽ Center.
	47 56½ 52 28½ 27 27 44	38- 50 45+ 53 9+ 58 36 56 5½ 28 33x	49 19x 51 26- 50 59 31½ 2 36 5 3 35½ 6 42 45- 6 35 9+ 18 29 22½	54 31- 0 27 4 14½ 24 49½ 30 12	55 11 27 2½ 29½ 1	☽ Center. y } Tauri. m } Capella. A small Star preceding Rigel. Rigel. α Orionis. Syrus. α Lyrae.
h 21.	44½	33½	18 29 23-		1½	α Lyrae.
☉ 22.	17 26- 44+ 27 45-	18 6½ 20 25 28 34-	20 18 47½ 21 6 18 29 23½ 19	19 29- 47x 30 13- 40 16-	20 9½ 22 28 31 2- 54½	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilae.
☽ 23.	21 38 56½ 32 3 23 26	22 18½ 36½ 56 4+	20 22 59½ 25 18 33 50- 23 24 43-	41- 59+ 34 44	21+ 40 35 37 Clouds	☉ 1st L. ☉ 2d L. α Cygni. Venus's Center. 3h 12' 32". mean time.
Clouds prevented me from observing the ☽'s Transit over the Meridian, as also the beginning of the Eclipse; but the total Immersion of the Moon into the Earth's Shadow was observed to happen at 17h 28' 48" App. Time. The Immersion could not be seen here because of Clouds, &c.						
♂ 24.			12 44 48:			Pole *; below. Hazy.
♀ 25.	57 43- Clouds 18- 1½ 42+	37+ 3 40 26	4 59 33- 5 3 36½: 7 19 49- 27 19- 31 10+	28 Clouds 35- 58 54+	23 20 7+ 38:	Capella. Rigel. Castor. Procyon. Pollux.
♂ 26.	42 12::		10 43 31	Clouds	44 51	☽ 2d L. 14h 17 41 mean time.
☉ 29.	Clouds		4 22 46	26+	6-	Aldebaran.
☽ 30.	49 47 57½	38+	13 51 6+ 14 5 20-	46	52 25½ 6 41½	☽ 2d L. 17h 9' 0", 3 mean time. Arcturus.
♀ FEB. I.	31 47+		15 33 9	50	34 31	☽ 2d L. 18h 42' 54", 2 mean time.

In FEBRUARY MDCCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
5.	46-:	Clouds	4 59 36-	Clouds	26	Capella.
6.	50-	39	18 29 28 20 33 54:	34 48½:	31 7 42:	α Lyræ. α Cygni.
7.	6	46-	21 24 26 26 41 20 33 55-	21 49	1+ 43:	☉ 1st L. ☉ 2d L. α Cygni; windy.
8.		45+:	21 28 25½: 30 40+:	20::	0: 9+	☉ 1st L. } Windy. ☉ 2d L. } Aldebaran.
9.	Clouds 55× 26 7- Clouds 1 12-	35+ 45- 31 54-	4 59 38-: 6 35 15½ 7 27 24 31 15½ 9 2 36	Clouds 56 3 Clouds	36 41+ Clouds	Capella. Sirius. Procyon. Pollux. Mars's Center. 11 ^h 41' 54", 4 mean time.
10.	40- 52½ Clouds	21 41+ 20	9 1 2+ 18 29 31- 20 33 57-	51	2 25+ 9 44½:	Mars's Center. 11 ^h 36' 24", 1 mean time. α Lyræ. α Cygni.
11.	0+ 17 54- 46 9- 21 31	40 32+ 48+ 11-	21 40 20 42 34 0 19 11- 44 44 47 28 4 22 51 37 31 40 6- 42 4- 43 40 46 24× 49 11½ 50 23 53 20½ 55 36+ 56 46- 59 39- 5 3 43- 13 55- 14 58 18 15 19 21 20 27 21 35- 22 37 23 59½	8 14 34½ 25 23	53+ 20 28½ 48 47 24 11 1- 10+ 37+ 26½ 43- 44½ 0 54-	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 52' 2" mean time. Pole*; above. ☉ 1st L. 3 ^h 20' 14", 6 mean time. Aldebaran. Orionis. 60 Eridani. ω } Aurigæ. ξ } 63 Eridani. η Aurigæ. ι Leporis. 66 } Eridani h } Capella. Rigel. ο Tauri. 2 ψ } 31 } Orionis. η } δ } 10 Leporis. λ Orionis. ξ Tauri. ε } Orionis. σ } 12 Leporis. α Orionis. Sirius. Castor. Procyon. Pollux. Mars's Center. 11 ^h 30' 54", 6 mean time.
12.	32: 25+: 54-	11½: Wind. 43-	4 22 52- 26 10- 16- 59 40- 12 44 48: 18 29 32	32 21½	12- 30: 5 2 11-	Aldebaran; strong wind. 1 σ } Tauri. 2 σ } Capella. Rigel. Pole*; below. Windy. α Lyræ.
13.	34 51+ 32+ 50- 26+	31 12+ 45- 5	0 44 42 2 36 11+ 4 22 52½ 59 40+ 5 3 44+ 12 27 14 41½ 17 49 20 11- 21 30½ 22 22	32½ 23+ 18 55	37 31 13- 31- 2+	Pole*; above. ☉ 1st L. 5 ^h 0' 46", 7 mean time. Aldebaran. Capella. Rigel. φ Aurigæ. 116 Tauri. χ Aurigæ. 31 Orionis. 120 } Tauri. 121 } 1 φ Orionis.

In FEBRUARY MDCC LVIII.

DAY of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
13.			5 23 56 25 34½ 27 14+ 29 29+ 33 15- 35 33+ 42 54 6 35 19- 7 27 27- 31 18 8 56 31+ 12 44 46			26 Aurigæ. 125 Tauri. ω Orionis. 127 Tauri. 29 { Aurigæ. τ { Orionis. α Orionis. Syrus. Procyon. Pollux. Mars's Center. 11 ^h 20' 4'', 2 Pole *; below.
With the 15 foot Tube at 14 ^h 7' 16" the 1st Satellite of Jupiter immersed. Apparent time 16 ^h 15' 20'', 1. Jupiter was very low, and the earth's atmosphere very thick near the horizon.						
14.	Clouds	27-	21 52 7- 54 20½ 4 59 40½ 5 3 45- 42 55- 6 35 19 7 19 57½ 27 27½ 31 19- 18 29 33+	Clouds 36 24 33½ 6+ 22½	55 39: 31 3- 12 39½ 29- 45- 46+ 12-	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Syrus. Castor. Procyon. Pollux. α Lyræ.
15.	42- 21 29+ 51- 27+ 37+	21+ 10+ 46 6 16-	21 56 1 58 14 4 22 52- 59 41+ 5 3 45 42 55	54 33 14- 32- 3 12½	24 14- 32- 3 12½	☉ 1st L. ☉ 2d L. ☉ 1st L. 6 ^h 39' 16'', 8 mean time. Capella. Rigel. α Orionis.
16.	Clouds 14 58½: 38- 2-	40-: 16½ 40½	21 59 54 Clouds 5 16 21½: 42 55½ 12 44 47 13 13 20- 20 34 0½:	2 47 59	Clouds Clouds 13 38- 48	☉ 1st L. ☉ 2d L. ☉ 1st L. hazy. 7 ^h 28' 41'', 2 mean time. α Orionis. Pole *; below. Spica. α Cygni; hazy.
17.	Clouds 30 27 28 38 8 31½ 0½ 11+ 52+	6 47 7 17- 13+ 40+ 50 36	22 3 47- 6 0- 0 31 44½: 44 43 4 59 42 5 3 46+ 27 16 29 25: 30 49½ 33 16½ 35 35+ 42 56 6 9 55½ 15 27 35 21- 7 27 29 31 20+	39+ 37+ 25½ 28 41+ 8 4	18½ Clouds 32½ 4 11 13½ 19½ 49 41- 46½ 48-	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 40' 54'', 8 Pole *; faint; above. Capella. Rigel. ω } 9 Orionis. d } z } b } τ { Aurigæ. ν { Orionis. α Orionis. ☉ 1st L. 8 ^h 18' 10'', 3 mean time. ν Gemino. Syrus. Procyon. Pollux.
At 8 ^h 23' 41" ν Geminorum immersed behind the dark part of the ☉'s Body. Apparent time 10 ^h 17' 9". Clouds prevented me from observing the emersion.						
18.	21 35 52+ 29	15- 47 7½	4 22 55 42 31 46 28- 51 58 55 40 56 49½ 59 42½ 5 3 47- 15 15½ 17 51½ 20 31- 22 25-	38 36- 19 26	15 33 15-	Aldebaran. 5 Orionis. ξ Aurigæ. 14 Camelop. 66 { Eridani. h } Capella. Rigel. 118 Tauri. χ Aurigæ. β Leporis. δ { Orionis. ι φ }

In FEBRUARY MDCCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
b 18.			5 41 27 17- 28 11 30 50 32 55½ 34 2- 36 51+ 38 59+ 40 33x 42 50+ 44 21 46 12- 48 31- 50 21- 52 36 54 49			λ { Orionis. ω { 126 Tauri. b Orionis. 12 Leporis. 133 Tauri. ξ Leporis. 136 Tauri. 55 { Orionis. α { Sirius. 1st L. 9h 7' 21", 6 mean time. Castor. Procyon. Pollux. Mars's Center. 10h 53' 28", 2 mean time.
19.	Clouds		18 29 36:	Clouds		α Lyrae.
20.	29 13- 54- 45 46+ Windy.	14x 51x 37+ 27½	7 20 0+ 27 30+ 31 22- 8 47 9 19 39 50- 20 34 2+	46 9 6- 30-: 56½	31½ 47½ 49+ 48 32- 8- 50	Castor. Procyon. Pollux. 1st L. 10h 43' 8", 9 mean time. α Aquilæ. α Cygni.
21.	51	30+	22 19 9½ 21 22-:	Clouds		☉ 1st L. ☉ 2d L.
22.	31- 41-	49½ 10- 19+	4 59 45 5 3 49- 22 27- 42 43 42 58½	40 28- 37½	35 7- 16-	Capella. Rigel. 38 { Orionis. λ { α
23.	21 38- 31+ 17 47	17½ 50 10+ 18 26::	4 22 58- 59 45+ 5 3 49+ 11 Cloudy	38 41- 28+:	18- 35½ 7+:	Aldebaran. Capella. Rigel; hazy. 1st L.
24.	29 17 Clouds Clouds	56 40	22 30 35 32 47- 7 31 24-	Clouds 20 48½: 8	4½ Clouds 51½	☉ 1st L. ☉ 2d L. Castor. Pollux.
25.	33 4 38+ 56 33- 42+ 40 15+	43 18+ 51- Clouds 42 21 57-	22 Cloudy Clouds 0 44 45 4 22 58½ 59 46+ 5 3 50+ 43 0- 8 41 39-	37 13 41½ Clouds	37 52 19- 36x 17+ 43 2-	☉ 1st L. ☉ 2d L. Pole *; above. Aldebaran. Capella. Rigel. α Orionis. Mars's Center. 10h 17' 57" mean time.
26.	2- Clouds	51-	18 29 40 20 34 6	29½ Clouds	18½	α Lyrae. α Cygni.
27.	Clouds 39½ 33½ 5+ 17- 58 22 46-	41 16-: 19+ 52+ 22 45+ 55+ 41+	22 41 55½ 44 7-: 4 22 59½ 59 47+ 5 43 1 6 35 26- 7 27 34+ 31 25½ 12 44 46 14 24 6- 15 6 42 9 41 12 4- 14 9½ 16 18 20 14 21 56- 22 58½ 24 12 29 0- 31 27- 33 18½ 35 39+	45+ 41+ 40+ 10- 46- 25 26-	Clouds 20- 37+ 19- 46 52- 53 Pole *; below. 1st L. 15h 51' 35" mean time. δ Bootis. 6 Serpentis. ε Lybrae. η Coronæ Bor. μ Bootis. 4 ξ { Libræ. 37 { γ { δ Serpentis. ξ { Libræ. η { α { Serpentis. λ {	

In MARCH MDCC LVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
27.		50+	15 58 55: 16 15 33	16	59-	ν Scorpii. Antares.
28.	44 23	2-:	22 45 41			$\odot$ 1st L.
29. MAR. 1.	6 40 8 $\frac{1}{2}$	51 $\frac{1}{2}$ 14+	16 2 39+ 8 3 15 34 $\frac{1}{2}$ 52 0 55 8- 57 29- 17 1 18 4 35 7 35+ 8 34 $\frac{1}{2}$ 19 39 55+ 34 8	44 $\frac{1}{2}$ 17 $\frac{1}{2}$	9 26- 0+	δ Ophiuchi. ν 's 2d L. 17 ^h 27' 21", 8 mean time. Antares. ϵ } Herculis 60 } η Ophiuchi. μ Draconis. α } Herculis. π } Jupiter's Center. 18 ^h 27' 43", 5 mean time. α Aquilæ. α Cygni. Windy.
30.	Clouds Windy. 35+ 35+ 18 $\frac{1}{2}$ 36 3+	52 31:: 14- 24- 57 43 45	Clouds I wound up the Clock. 4 59 49 5 3 53 43 3- 7 27 36 31 27+ 8 37 27	44 $\frac{1}{2}$ 32 x 42 11 x	39+ 11 20 $\frac{1}{2}$ 54- 55 38 50 $\frac{1}{2}$	$\odot$ 1st L. Capella. Windy. Rigel. α Orionis. Procyon. Pollux. Mars's Center. 9 ^h 54' 2", 3 mean time.
31.	59 $\frac{1}{2}$ 36-	54 14+	22 59 55 $\frac{1}{2}$ 4 59 50- 5 3 54- 9 13- 11 6+ 11 59 $\frac{1}{2}$ 13 11- 15 9 17 58 $\frac{1}{2}$ 20 38 22 32 24 36+ 27 35+ 29 32+ 30 57 43 3 $\frac{1}{2}$ 6 35 28 7 20 6 $\frac{1}{2}$ 24 19 27 37- 31 28- 46 47 49 36 $\frac{1}{2}$ 51 18+:: 56 9+ 57 25 8 3 12+ 12 44 48 18 4 58 29 43+	45- 45 x 33 19 33 52+ 58 56 $\frac{1}{2}$ 41	Clouds 40 12- 21- 48+ 38- 55+ 6 23+ 31 22-	$\odot$ 2d L. Capella. Rigel. σ Aurigæ. m Orionis. β Tauri. 1 $\downarrow$ } Orionis. 2 $\downarrow$ } χ Aurigæ. β Leporis. δ } Orionis. 38 } 2 ϕ } σ } Orionis. ξ } b } α } Syrius. Castor. α Geminorum. Procyon. Pollux. 14 Canis Minoris. 6 Cancri. 13 Navis. 12 Cancri. 29 Monocerotis. 1 } Navis. 20 } Pole *; below. ν 2d L. Hazy. 19 ^h 16' 4", 5 mean time. α Lyreæ.
1. 5.	3 5-	43+	23 4 22: 6 32+ 4 23 3 $\frac{1}{2}$ 59 51 5 3 55	11 $\frac{1}{2}$ 44- 46+ 34	50 23 $\frac{1}{2}$ 41 13-	$\odot$ 1st L. Hazy. $\odot$ 2d L. Aldebaran. Capella. Rigel.
2. 6.	Clouds	39 19+	19 Cloudy			α Aquilæ.
3. 7.	30 Clouds	11 9 24 $\frac{2}{3}$ 50: 39 20- 18-	23 11 48 Clouds 4 23 5- 6 35 31- 19 39 59 34 11 $\frac{1}{2}$	14 37- Clouds 11 38+	Clouds Clouds 17 59 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. Aldebaran. Syrius. α Aquilæ. α Cygni.
4. 8.	Clouds 2 39- 49-	14 51- 17 $\frac{1}{2}$: 27+	23 15 30- 17 39 $\frac{1}{2}$ 5 Cloudy 43 6+	19-	57 24-	$\odot$ 1st L. $\odot$ 2d L. Rigel. α Orionis.

In MARCH MDCCLVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
8.	11-	50½	6 35 31 43 59 45 8- 46 3½ 47 23 50 9½ 51 56 53 7+ 56 1- 56 45 58 45+		51 +	Syrus. 9 10 } Canis maj. μ } 41 Geminorum. ε Canis maj. 19 Monocero. 22 Canis maj. 63 Aurigæ. τ } Geminorum. m } 20 Monocerotis. 53 Geminorum. 26 } 27 } Canis maj. 28 } q Geminorum. x } Cancri. λ } o Ursæ maj. 21 } 27 } Cancri. 3v } 9 } δ Hydræ. δ Cancri. Mars's Center. 9h 27' 8".5 mean time.
9.	32 47+ Clouds 34 11+	29- 18 32+ 51+	23 19 11 21 21 6 35 31+ 45 4 48 42- 50 47+ 53 8- 55 31+ 56 45½ 58 58- 7 1 4 33- 3 59- 5 26x 6 2½ 8 23 9 39- 43+ 18 29 47-	0 12-	38½ 51½ Clouds 25x	☉ 1st L. } Hazy. ☉ 2d L. } Syrus. μ Canis maj. 10 } Geminorum. ε } 22 Canis maj. o } τ } Geminorum. 49 } 21 } 22 } Monocerotis. 24 } 27 } Canis maj. 28 } 66 Aurigæ. 29 } Canis maj. 30 } α Lyræ.
12.	28 57: Clouds	35 34 52½:	23 30 14- 32 23+ Clouds	2	Clouds	☉ 1st L. } Hazy. ☉ 2d L. } Syrus.
13.	2 41 Clouds 13-	20-	5 3 59- 43 9- 6 35 33+ 41 0- 43 36+ 45 10+ 46 6- 47 25+ 48 44- 50 12- 51 58+ 53 9½ 55 33- 56 47+ 7 0 34x 1 53+ 4 0½ 6 4½ 9 28- 10 33 11 44½ 12 35+ 13 29	38- 58- 54 52	17 26+ 53½	Rigel. α Orionis. Syrus. 16 Lyncis. 62 Aurigæ. 10 } Canis maj. μ } 41 } Geminorum. 10 } ε Canis maj. 19 Monocerotis. 22 } Canis maj. 20 } o } Geminorum. τ } 22 Monocerotis. 53 Geminorum. 24 Monocerotis. 27* Canis maj. 21 Lyncis. 59 } Geminorum. 1 } ε } Canis min.

In MARCH MDCC LVIII.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
D 13.	18 40+	26- 30 49-	7 14 35+ 15 36½ 17 23+ 20 11+ 22 38 26 44- 27 42- 31 33- 35 53- 38 5 39 44- 41 38½ 42 36- 44 18½ 46 52- 39 41½ 50 36 51 23½: 52 39 54 34 51 14+ 57 30: 59 18+ 8 10 33½ 11 45- 13 18½ 14 24+ 18 14+ 19 45½ 30 19½ 32 56	57- 21- 17- 40 54+ 48 3 15 17+	43 59-: 0½ 34 19+	<i>p</i> Geminorum. <i>n</i> Canis maj. <i>o</i> Canis min. <i>Castor</i>. 2 <i>δ</i> Canis min. 50 <i>Camelopard</i>. <i>Procyon</i>. <i>Pollux</i>. 4 <i>Navis</i>. 26 <i>Lyncis</i>. <i>φ</i> Geminorum. <i>ξ</i> } <i>Navis</i>. 9 } 1 <i>Geminorum</i>. <i>ι</i> <i>Cancr</i>. 14 <i>Canis min</i>. 2 <i>ω</i> <i>Cancr</i>. 6 } <i>Cancr</i>. 7 } 28 <i>Lyncis</i>. 8 } 2 <i>μ</i> } <i>Cancr</i>. 12 } 29 <i>Monocerotis</i>. 16 <i>Navis</i>. 1 <i>d</i> } 21 } <i>Cancr</i>. 1 <i>v</i> } 27 } 2 <i>Hydræ</i>. 3 <i>v</i> } <i>Cancr</i>. * } 7 } <i>Mars's Center</i>. 9^h 6' 12", 7 mean time.
δ 14.	51½ Clouds	30	5 43 9× 6 35 34-:	48× Clouds	27-	<i>α</i> <i>Orionis</i>. <i>Syrus</i>.
8 15.	21 48 54 52 Clouds 18 41½ 12-	28: 33 27 30 50+: 1-	23 43 23 4 23 8+ 5 6 15 5 4 0-: 7 20 13- 31 34 18 29 50+	Clouds Clouds Clouds 58½ 18+	28+ 38+ 44- 2- 28½	<i>⊙</i> 2d L. <i>Aldebaran</i>. <i>γ</i> 1st L. 5^h 22' 14" mean time. <i>Rigel</i>. <i>Castor</i>. <i>Pollux</i>. <i>α</i> <i>Lyræ</i>.
24 16.	36½ 49- 53- 49 32½	15- 29- 31+ 14+	23 44 53½ 47 2½ 4 23 9- 59 56+ 5 4 1- 43 10+ 50 56½	41½	48 20- 9- 28-	<i>⊙</i> 1st L. <i>⊙</i> 2d L. <i>Aldebaran</i>. <i>Capella</i>. <i>Rigel</i>. <i>α</i> <i>Orionis</i>. <i>γ</i> 1st L. 6^h 12' 50" mean time.
8 17.	3- 15+ 43 40+ 26 27- 8- 30 31+	32- 55+ 44 22 5 41+ 12-:	5 43 11- 6 35 35+ 45 4½ 7 27 44 31 35+ 8 31 53½:	19+ Clouds	28+ 55+ 1½ 3-	<i>α</i> <i>Orionis</i>. <i>Syrus</i>. <i>γ</i> 1st L. 7^h 2' 53" mean time. <i>Procyon</i>. <i>Pollux</i>. <i>Mars's Center</i>. 8^h 40' 24", 6 mean time.
⊙ 19.	I let down the bob of the pendulum half a division on the nut.					The pendulum swings 2° 10'.
20.			9 20 Cloudy	Clouds	20 59::	<i>γ</i> 1st L.
24 23.			10 26 58 29 15- 33 38 37 52- 40 7- 42 37+ 48 13- 49 38× 52 41- 56 7 59 57- 11 1 31½ 4 31+ 5 23			3 <i>φ</i> <i>Hydræ</i>. 33 } <i>Sextantis</i>. 37 } <i>γ</i> <i>Hydræ et Crat</i>. <i>ω</i> <i>Ursæ maj</i>. 54 } <i>d</i> } <i>Leonis</i>. 61 } <i>κ</i> } <i>↓</i> <i>Ursæ maj</i>. <i>β</i> <i>Hydræ et Crat</i>. 69 } <i>Leonis</i>. <i>φ</i> } <i>ξ</i> <i>Ursæ maj</i>.

In MARCH MDCC LVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
23.			11 7 25 ^x 8 48 ⁺ 11 27	12 25 ¹ / ₂		δ <i>Hydræ et Crat.</i> σ ι 79 } <i>Leonis.</i> τ 85 88 } ξ <i>Hydræ et Crat.</i> ν } <i>Virginis.</i> 2 ξ β <i>Leonis.</i> β <i>Virginis.</i> D 1st L. 11 ^h 37' 50", 2 mean time. D Center. b <i>Virginis.</i>
24.	11 45 ⁻ 13 53 40 55 ⁺	23 14 32 2 24 ⁻ : 33 ¹ / ₂	0 13 2 ⁻ 15 10 ¹ / ₂ 5 3 3 42 13 ⁻ 10 39 52 ⁻ 41 36 ⁺ 42 37 ⁺ 48 13 ⁻ 49 38 ¹ / ₂ 52 41 ⁻ 56 7 59 57 ⁻ 11 1 31 ⁺ 4 31 ⁺ 7 25 ⁺ 8 48 ⁺ 11 27 14 39 ¹ / ₂ 15 39 ⁻	41 49 ¹ / ₂ 42 52 ⁻	28 21 ⁻ 30 ¹ / ₂	☉ 1st L. ☉ 2d L. Rigel. α <i>Orionis.</i> 46 } 47 } <i>Leonis minoris.</i> 54 } d 61 } x } ↓ <i>Ursæ majoris.</i> β <i>Hydræ et Crateris.</i> 69 } <i>Leonis.</i> φ δ <i>Hydræ et Crateris.</i> σ ι 83 } <i>Leonis.</i> τ γ <i>Virginis.</i> D 2d L. 12 ^h 22' 37", 2 mean time. Pole *; below.
26.	28 ⁻ 9 17 ⁺ 3 25 ⁻ 6 29	6 ¹ / ₂ 53 ⁻ 57 ⁻ 6 ⁻	7 12 15 ⁺ 26 45 ¹ / ₂ 30 36 ⁺ 9 55 36 ¹ / ₂ 14 4 47 ⁻ 7 49 ⁻	20 1 24 ^x 21 ⁻ 16 28 ¹ / ₂ :	45 ⁺ : 3 ⁻ 4 ⁺ 55 ⁺ 9 8 ⁺	Castor. Procyon. Pollux. Regulus. Arcturus. D 2 L. 13 ^h 49' 59", 6 mean time.
27.	1 44 ¹ / ₂ 33 16 ¹ / ₂ 17 41 ⁻ 28 ⁻ 12 19 ⁻	58 3 ⁻ 2 23 ¹ / ₂ 41 33 18 29 ^x 26 6 ¹ / ₂ 29 52 ¹ / ₂ 34 23 ¹ / ₂ 51 ¹ / ₂	4 22 11 ⁻ 58 ⁻ : 5 3 2 ¹ / ₂ 42 12 ¹ / ₂ 6 34 37 ⁻ 7 19 15 26 45 ¹ / ₂ 30 36 ¹ / ₂ 8 35 5 0 13 37	54 ⁻ 41 ¹ / ₂ 51 ¹ / ₂ 17 ¹ / ₂ 20 1 27 24 ¹ / ₂ 31 20 ¹ / ₂ 46 ¹ / ₂ 14 16 ⁺	20 ¹ / ₂ 30 ⁻ 57 ¹ / ₂ 46 ⁺ 28 3 ⁻ 32 4 55 ⁻	Aldebaran. Capella. Rigel. α <i>Orionis.</i> Sirius. Castor. Procyon. Pollux. Mars's Center. 8 ^h 14' 14", 7 mean time. Venus's Center. 23 ^h 50' 13" mean time.
28.	24 40 54 ¹ / ₂ 16 ¹ / ₂ 44 ⁻ 28 ⁻ 17 48 0 ⁺ 10 10 ¹ / ₂	26 53 2 ⁺ 21 30 ¹ / ₂ 58 3 ⁻ 41 33 56 ⁺ 29 6 ⁺ 52 ⁺ 56 ⁺ 49	0 27 32 29 41 43 55 [:] 4 22 11 ⁻ 58 58 ⁺ 5 3 2 ¹ / ₂ 42 12 6 34 37 ⁻ 7 19 15 26 45 ^x 30 56 ¹ / ₂ 9 55 36 ⁺ 15 50 22 ¹ / ₂ 0 11 28 ¹ / ₂	11 ⁻ 20 ⁻ 51 ⁺ 54 ⁻ 41 ¹ / ₂ 51 17 ^x 20 1 ⁻ 24 ^x 20 ¹ / ₂ 16 ⁻ 51 4 ⁺ 12 7 ¹ / ₂	49 58 31 ⁻ 20 ¹ / ₂ 30 ⁻ 57 46 ¹ / ₂ 28 2 ¹ / ₂ 4 ^x 55 45 ⁻ 46 ¹ / ₂	☉ 1st L. ☉ 2d L. Pole Star; above. Very faint. Aldebaran. Capella. Rigel. α <i>Orionis.</i> Sirius. Castor. Procyon. Pollux. Regulus. D 2d L. 15 ^h 24' 24", 9 mean time. Venus's Center. 23 ^h 44' 9" mean time.
29.	29 52 ¹ / ₂ 1 ¹ / ₂ 20 50 ¹ / ₂ 57 8	30 31 ⁻ 40 30 ¹ / ₂ 58 3	0 31 9 ¹ / ₂ 33 18 ¹ / ₂ 43 54 4 22 11 ⁻ 58 58	48 ¹ / ₂ 57 ¹ / ₂ 2 35 51 53 ¹ / ₂	27 36 31 48 ¹ / ₂	☉ 1st L. ☉ 2d L. Pole Star; above. Faint. Aldebaran. Capella.

In MARCH MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
29.	1 44 $\frac{1}{2}$ 40 54 $\frac{1}{2}$ 33 16 $\frac{1}{2}$ 44— 28— 8 $\frac{1}{2}$	2 23+ 33 56 $\frac{1}{2}$ 29 x 6 $\frac{1}{2}$ 52 $\frac{1}{2}$	5 3 2 $\frac{1}{2}$ 42 12 6 34 37— 7 19 15— 30 36 $\frac{1}{2}$ 9 15 50 $\frac{1}{2}$ 55 36 $\frac{1}{2}$ 12 43 53 16 45 40 $\frac{1}{2}$ 17 15 12 19 39 6 20 33 18+	41 $\frac{1}{2}$ 51 17 0 $\frac{1}{2}$ 24+ 20 $\frac{1}{2}$	20+ 30— 57 46 x 2 $\frac{1}{2}$ 32 4 55 $\frac{1}{2}$	<i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>α Hydræ.</i> <i>Regulus.</i> <i>Pole *; below.</i> <i>D 2 L. 16^h 15' 37", 9 mean time.</i> <i>Jupiter's Center. 16^h 45' 4", 9 mean time.</i> <i>α Aquilæ.</i> <i>α Cygni.</i> <i>Venus's Center. 23^h 38' 7", 7 mean time.</i>
30.	33 30 51— 16+ 3 $\frac{1}{2}$ 27+ 8+ 35 30—	8+ 30 $\frac{1}{2}$ 23+ 56+ 6+ 52 36 11	0 34 47+ 36 56+ 43 53 4 22 11— 58 58+ 5 3 2 $\frac{1}{2}$ 6 34 37— 7 19 15— 26 45 30 36 8 36 52 $\frac{1}{2}$ 42 49 $\frac{1}{2}$ 45 22 48 16— 53 21 $\frac{1}{2}$ 55 33— 56 33— 58 28— 9 59— 5 34 $\frac{1}{2}$ 8 48 $\frac{1}{2}$ 50 $\frac{1}{2}$ 46 23 48 57 $\frac{1}{2}$ 28 21 $\frac{1}{2}$ 55 36 $\frac{1}{2}$ 12 43 53 $\frac{1}{2}$ 17 43 51 18 28 53 19 39 6 0 7 22—	35 51 $\frac{1}{2}$ 54— 41 $\frac{1}{2}$ 17 1— 24 20+ 37 34	13+ 31 49— 20+ 57 46 3— 4 15 $\frac{1}{2}$	<i>$\odot$ 1st L.</i> <i>$\odot$ 2d L.</i> <i>Pole *; above.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Mars's Center. 8^h 4' 13", 3 mean time.</i> <i>1 α } <i>Cancræ.</i> <i>2 α } <i>68 } <i>α Hydræ.</i> <i>79 } <i>80 } <i>Cancræ.</i> <i>82 } <i>83 } <i>27 } <i>Hydræ.</i> <i>α } <i>7 } <i>Leonis.</i> <i>8 } <i>2 Sextantis.</i> <i>α Leonis.</i> <i>Regulus.</i> <i>Pole Star; below.</i> <i>D 2d L. 17^h 9' 42", 7 mean time.</i> <i>α Lyræ.</i> <i>α Aquilæ.</i> <i>Venus's Center. 23^h 32' 10", 9 mean time.</i></i></i></i></i></i></i></i></i></i></i></i>
31.	8+ 51— 8 44 28— 14 33— 43 2 37 49— 4 8	47— 30 $\frac{1}{2}$ 3— 23 $\frac{1}{2}$ 33+ 29— 6+ 52+ 36 51 $\frac{1}{2}$ 15 11 $\frac{1}{2}$ 27 4 47	0 38 25 $\frac{1}{2}$ 40 34+ 43 55: 4 22 11— 58 58+ 5 3 2 $\frac{1}{2}$ 42 12+ 19 15— 26 45 30 36+ 8 37 33 $\frac{1}{2}$ 9 15 50 $\frac{1}{2}$ 18 Cloudy 19 39 6+ 0 Cloudy	13 51+ 38 15 16 29 $\frac{1}{2}$ 45 10: Clouds 6 5	1 $\frac{1}{2}$ 31— 20+ 30— 46+ 4 8 x 52 $\frac{1}{2}$ 43 $\frac{1}{2}$	<i>$\odot$ 1st L.</i> <i>$\odot$ 2d L.</i> <i>Pole *; above.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Mars's Center. 15^h 59' 40", 1 mean time.</i> <i>α Hydræ.</i> <i>D 2d L. 18^h 6' 13", 1 mean time.</i> <i>α Aquilæ.</i> <i>Venus's Center.</i>
APR. 1.	40 46 $\frac{1}{2}$ 55 $\frac{1}{2}$ 4 8 25 28	41 25— 43 34 2 23 $\frac{1}{2}$ 33 $\frac{1}{2}$ 56 $\frac{1}{2}$ 26 6 $\frac{1}{2}$ 29 52 $\frac{1}{2}$	0 42 3 $\frac{1}{2}$ 44 12 $\frac{1}{2}$ 4 22 11 58 58 $\frac{1}{2}$ 5 3 2 $\frac{1}{2}$ 42 12 $\frac{1}{2}$ 6 34 37 26 46— 30 36 $\frac{1}{2}$ 55 36+	42 $\frac{1}{2}$ 51 $\frac{1}{2}$ 51 54— 42— 51 $\frac{1}{2}$ 17 $\frac{1}{2}$ 24 $\frac{1}{2}$ 21— 16+	45 30 31+ 48 $\frac{1}{2}$ 30 57 $\frac{1}{2}$ 28 3 32 4 $\frac{1}{2}$ 55 $\frac{1}{2}$	<i>$\odot$ 1st L.</i> <i>$\odot$ 2d L.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Regulus.</i>
2.	Clouds	45 3 $\frac{1}{2}$	0 45 42 Clouds	48 30	Clouds	<i>$\odot$ 1st L.</i> <i>$\odot$ 2d L.</i>

In APRIL MDCCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.	48 3- 50 11½: 25 28½ 17+ 58 52+	41½ 50½ 26 6½ 29 53- 57 31+	0 Cloudy 51 29+:: 7 26 46- 30 37- 9 55 37- 0 0 10+	49 59 24½ 21 16½	3+ 4½ 56- Clouds	☉ 1st L. ☉ 2d L. Procyon. Pollux. Regulus. Venus's Center. 23 ^h 9' 16",5 mean time.
4.	53 50½ 40 55 28+ 9	54 29 41 34- 30-: 7- 53- 57 58- I examined the level, and found it right.	0 55 8 5 42 13- 7 19 15 26 46- 30 37- 23 58 38½ 59 17+	47 51½ 1x 25- 21- 59 17+	Clouds 30½ 46½ 3+ 4+ 56	☉ 2d L. α Orionis. Castor. Procyon. Pollux. Venus's Center. 23 ^h 3' 39",3 mean time.
5.	55 20 57 29x 40 55 28+ 9½ 54 18 55 57	58½ 8- 58 3½ 2 24- 33½ 29½ 7 53- 40 48½ 57½ 36:	0 56 37½ 58 47- 4 58 59- 5 3 3 42 13- 7 19 15½ 26 46- 30 37x 8 41 30 9 55 37 20 33 19+	16½ 59 26- 54+ 42 51½ 1½ 24½ 21+ 42 11½ 56 16½	55x 4½ 49x 21- 30½ 47- 3½ 4 56 7	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Castor. Procyon. Pollux. Mars's Center. 7 ^h 45' 14",8 mean time. Regulus. α Cygni. Venus's Center.
6.	Clouds 45 54 40	24 57- 4+ 28- 25½ 19-	4 5 3 3 6 34 37+ 18 28 54- 19 39 7- 20 33 19½ 23 55 58-	59 54 42 Clouds 13½	21- 32 25- 7+ 15½	Capella. Rigel. Syrius. α Lyræ. α Aquilæ. α Cygni. Venus's Center. 22 ^h 53' 16",3 mean time.
7.	53 32- Clouds 51+ 8+ 45 44 28x 9 54	10+ 55+ 31- 3+ 24- 29½ 6½ 52+ 43 35-	23 54 49½ 1 7 34½ 4 22 11 58 58½ 5 3 3- 6 34 37x 7 19 15+ 26 46- 30 37- 8 44 16+	Clouds 51+ 54 42- I 24½ 21-	56 6½ 31+ 49 21- 57+ 46½ 3 4+ 45 39	☉ 1st L. Aldebaran. Capella. Rigel. Syrius. Castor. Procyon. Pollux. Mars's Center. 7 ^h 36' 13",2 mean time.
8.	56 51 8+ 45	10 35- 31- 3 23+	1 11 14- 13 23 4 22 11 58 59- 5 3 3- 42 12+	2 51+ 54 42	41 31 49- 20½	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis.
With the six foot Reflector at 14 ^h 16' 44", by this Clock, the 1st Satellite of Jupiter disappeared; Jupiter appearing through a tree at 17' 42". I saw it again at 18' 36". It again disappeared, which probably was the time of the immersion, though Jupiter still was seen among the limbs of the tree.						
10.	35½ 51- 8 45+ 54 16½ 17+ 31+	14+ 31- 3 23+ 33 56+ 57- 25	1 14 53½ 17 3- 4 22 11- 58 58½ 5 3 3- 6 42 12+ 6 34 37 55 36½ 20 33 19+	42 51+ 54 42- 17+ 16+	21- 31+ 49- 20½ 57+ 55½ 7	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Syrius. Regulus. α Cygni.
11.	17 15½: 50 23½	54: 51 3	1 18 33:: 23 51 42-		22 0½: 52 59x	☉ 1st L. { very hazy. ☉ 2d L. { Venus's Center. 22 ^h 31' 22",3 mean time.
12.	55½ 28x 9-	34½ 29 6+ 52+	1 22 14- 24 23 7 19 15 26 45+ 30 36½	2+ I- 24 20	41+ 46+ 3- 4	☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux.
13.	20 43-	41 33: 25-	5 Cloudy 6 22 7+	51: 23 32	29½ 32	α Orionis; windy. ☉ 1st L. 4 ^h 54' 48",2 mean time.

In APRIL MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
13.	16+:	56:	6 34 37- 19 14½: 26 45+:		57- 46: 2½	Syrus; windy. Castor. } Strong wind. Procyon. }
14.	16½ 15 22× 27+ 8 16½	55+ 30+ 2+ 4- 52- 56	1 29 35- 31 44+ 4 22 10+ 58 57½ 7 16 47- 26 45- 30 36 9 55 36-	24- 50½: Clouds 20 15½	2½ 30+ 18 11+ 2 4- 55-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. ☽ 1st L. 5h 45' 23", 2 mean time. Procyon. Pollux. Regulus.
15.	Clouds 38-	32 36+ 50 16½	1 33 15 23 50 55+		52 12½	☉ 1st L. Venus's Center. 22h 12' 53", 4 mean time.
16.	35 38+ 51 39- 59 50- 16+ 13- 14	17½ 19+ 31- 20½ 55+ 54+ 3	1 36 57- 39 7- 6 34 36- 8 53 1- 9 1 12½ 19 0 28 20 30 39- 33 27 39 5- 45 18½ 55 35½ 17 14 36 18 28 52+	46+ 16 42-	40 25+ 56- 54 23- 2 35+ 15 59+ 31-	☉ 1st L. ☉ 2d L. Syrus. Mars's Center. 7h 13' 30" mean time. ☽ 1st L. 7h 21' 40", 4 mean time. ξ } ο } ↓ } Leonis. 18 } μ } ν } Regulus. Jupiter's Center. 15h 33' 43", 2 mean time. α Lyrae.
17.	19+	39 59	1 40 38+ 42 48+	28	7+	☉ 1st L. ☉ 2d L.
18.	Clouds Clouds 53 15: Clouds 7	39 41- 41 32- 55 5- 51-	Clouds 4 5 Cloudy 6 34 35 7 26 43½ 30 35-	47 10 59 52	Clouds 46½ Clouds 20 44+ 2½	☉ 1st L. ☉ 2d L. Capella. α Orionis. Syrus. Castor. Procyon. Pollux.
19.	1 43 40 53- 42 26 7- 15+ 24 49	58 1 21½ Clouds 27× 5- 50½ 55- 28½	1 50 13: 4 58 56½ 5 Cloudy 42 10½ 7 19 13+ 26 43½ 30 35- 9 55 34½ 11 26 8½ 36 49+ 38 13 23 52 27	53- 52- 49½ 59 22+ 19- 14+	Clouds 47- 28 44+ 1- 2+ 54- 27 28- 53 44×	☉ 2d L. Capella. Rigel. α Orionis. Castor. Procyon. Pollux. Regulus. ☽ 1st L. 9h 34' 25", 6 mean time. β Leonis. β Virginis. Venus's Center; hazy. 21h 58' 41", 9 mean time.
20.	Clouds Clouds	12 17+	1 51 46- 12 12 57		14 16-	☉ 1st L. ☽ 1st L. 10h 17' 10", 5 mean time.
21.	54 10: :	Clouds	1 55 29 10 42 35 48 19- 49 30- 52 38½ 11 1 19+ 3 18+ 4 29- 8 46 23 54 2		58 58½ 55 19-	☉ 1st L. ☉ 2d L. 54 Leonis. c } b } x } Leonis. d } η } φ } σ } Venus's Center. 21h 52' 25" mean time.
22.	54- 42- 7- 15+ 18	33- 27- 50× 55- 57	1 59 13- 1 23½ 5 3 0½ 7 19 13- 26 43+ 30 34+ 9 55 34+ 13 12 36+	3½ 40- 59- 22 18+ 14	43+ 18+ 44 0½ 2 53+ 54×	☉ 1st L. ☉ 2d L. Rigel. Castor. Procyon. Pollux. Regulus. Spica.

In MAY MDCC LVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 22.	55½ 23+	47 35 4×	13 48 15- 14 4 46-		49 34+ 6 8-	☽ 1st L. 11 ^h 44' 20,9 mean time. <i>Arcturus</i>
o 23.	Wind	2 17×	2 2 57:: 5 8	Clouds	27::	☉ 1st L. ☉ 2d L.
h 24.	23+	2+	2 6 42+ 8 53 7 26 43 12 43 56 50 15× 55 22½ 57 34 58 39½ 59 2 13 12 36	33 22-	12½ 0½	☉ 1st L. ☉ 2d L. <i>Procyon</i> . Pole *; below. e } g } <i>Virginis</i> . s } 15 } <i>Canum Venaticorum</i> . 16 } Spica.
h 29	Clouds		5 42 9½	49-	Clouds	α <i>Orionis</i> .
h MAY 1.	25 6-	3½ 49+	7 26 42× 30 33½	21+ 18-	0- Clouds	<i>Procyon</i> . <i>Pollux</i> . <i>Regulus</i> . <i>Arcturus</i> .
27	22½ 36-	42½: 16+	14 4 45- 22 28 57+	13+ 26+	52½ 7-	☽ 2d L. 19 ^h 48' 16" mean time.
h 2.	38+ Clouds Clouds 52- 41- 25-	30 18 28: 0½ 30 26- 3+ 53+	2 36 58+ 39 11- 4 22 8 58 55 5 3 0+: 42 9 7 19 12- 26 42+ 9 55 33+ 10 29 47½ 32 27- 33 26 35 8- 38 16 39 48+ 41 37- 42 34- 43 29½ 45 55½ 47 18- 49 35 50 49½: 53 49- 54 22 59 53+ II 1 37 3 6+:: 4 56+ 58 58+ 8 45 11 30-	50½ Clouds 13	30+ 28+ 27- 43- 52+	☉ 1st L. ☉ 2d L. <i>Aldebaran</i> ; faint. <i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> . <i>Castor</i> . <i>Procyon</i> . <i>Regulus</i> . 40 } <i>Leonis minoris</i> . 42 } m <i>Leonis</i> . 1 b <i>Hydræ et Crateris</i> . 41 <i>Sextantis</i> . 46 } <i>Leonis minoris</i> . 48 } 54 <i>Leonis</i> . 50 <i>Leonis minoris</i> . 47 } <i>Ursæ majoris</i> . 49 } 61 <i>Leonis</i> . i } <i>Hydræ et Crateris</i> . x } * of the same mag. in the paral. of x. β <i>Hydræ et Crateris</i> . 9 } 72 } <i>Leonis</i> . 75 } 55 } <i>Ursæ majoris</i> . σ } λ } e } <i>Hydræ et Crateris</i> . n } e <i>Leonis</i> . 17 <i>Hydræ et Crateris</i> . 90 <i>Leonis</i> . s } <i>Hydræ et Crateris</i> . i } 62 <i>Ursæ majoris</i> . ξ <i>Hydræ et Crateris</i> . v <i>Virginis</i> . β <i>Leonis</i> . β <i>Virginis</i> . Pole *; below.
With the six foot Reflector at 16 ^h 0' 59", by this Clock, the 1st Satellite of Jupiter immersed. Apparent time 13 ^h 20' 47".						
	55 40-	10 18½	23 26 15 0 10 57 0 43 56	Clouds 36-	27 35 12 14	☽ 2d L. 20 ^h 41' 28",5 mean time. <i>Venus's Center</i> . 21 ^h 26' 3",1 mean time. Pole *; above.
h 3.	28-	7+	2 40 47½ 43 0 9 55 33	40 13-	20 52	☉ 1st L. ☉ 2d L. <i>Regulus</i> .

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DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4	4.	Clouds	6	35 13½	Clouds	Syrus. Castor. Procyon. Pollux.
	24+	3-	7 19 11+	57+	43	
	5	49-	26 42-	20½	39	
			30 33-	17-	0½	
5	47 8::	Hazy	2 50 41::		52 1::	☉ 1st L. ☉ 2d L. Venus's Center. 21 ^h 20' 50" mean time. Pole *; above.
	16 15+	53½	0 17 32+		18 50-	
			43 55			
6	59-	39×	2 52 20-			☉ 1st L. ☉ 2d L. α Orionis. Syrus. Procyon. Pollux. Regulus. Pole *; below. Spica. Arcturus. *22 Small * near Arcturus.
	51+	30-	5 42 32+	13-	53-	
		53-	6 34 9-	13½	26+	
	24+	3-	7 26 33	17-	53+	
	5+	49-	9 30 42-		59	
	14-	53+	12 30 33-		0½	
		55½	13 43 57		52-	
	2*		14 12 35-		53	
	26	4 7	14 4 44+	5 29+	10+	
7	54 51-	31-	2 56 11+			☉ 1st L. ☉ 2d L. Spica. Arcturus.
	17-	56-	58 24×	5-	45-	
	22+	3	13 12 35	14+	53	
			14 4 44	25+	6+	
8	43-	23	3 0 4-			☉ 1st L. ☉ 2d L. Syrus. Procyon. Arcturus.
	33 13-	53-	2 17-	57-	38-	
	Clouds	Clouds	6 34 33	13+	53+	
	22		7 26 42-	20+	Clouds	
			14 4 44	25	6+	
9	36-	16	3 3 56½			☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Procyon. Pollux. Mars's Center. 6 ^h 16' 19",9 mean time. Arcturus. Small * near Arcturus. γ } Aquilæ. α } Venus's Center. 21 ^h 14' 53",5 mean time.
		20	4 58 10-	50½	31-	
			5 58 55-	50-	45	
			6 2 59	38-	17-	
			7 42 9	48-	59-	
	5	48½	9 26 41½	20½	0½	
	24 59-	39-	10 30 33-	16½	27 40	
	3-	4	14 26 19+			
		7-	19 4 44			
	46+	12-	19 34 51			
	26 3+	25-	39 4		22	
		42-	0 27 20½		37+	
10	29	10-	3 7 50+			☉ 1st L. ☉ 2d L. Capella. ☉ 1st L. faint. 2 ^h 43' 35",8 mean time. Syrus. Procyon. Pollux. Mars. 6 ^h 14' 5",5 mean time. Spica. Venus's Center. 21 ^h 13' 36",9 mean time. Pole *; above. Faint.
	55 32	14+	4 10 4-	10 44	24½	
	12½	52+	5 58 55-		58 21½	
	24	2½	6 34 33-		53	
	Clouds	48½	7 26 41+		59-	
	11 16+	55+	9 30 32½	16½	0+	
	28 40½	18½	10 27 58½	Clouds	53-	
			13 12 35-	14-	15-	
			0 29 57+			
			43 55			
11	23-	3+	3 11 44			☉ 1st L. ☉ 2d L. Rigel. Syrus. ☉ 1st L. 3 ^h 35' 45" mean time. Procyon. Pollux. Regulus. Pole *; below. Spica. Arcturus.
		20-	5 13 57½	38+	18½	
			6 2 58½	37½:	Clouds	
	51 46+	28½	7 34 33-		Clouds	
	24-	2+	8 53 11		58½	
	4½	48+	9 26 41+	16+	0	
		52½	10 30 32½	Clouds		
		55	12 43 57		52½	
		2	13 12 34½			
			14 4 44-			
12	17	57½	3 15 38+			☉ 1st L. ☉ 2d L. Capella. α Orionis. Syrus. ☉ 1st L. 4 ^h 26' 25" mean time. Mars's Center. 6 ^h 9' 31",5 mean time. Spica. Venus's Center. 21 ^h 11' 4",7 mean time.
	4	59-	4 17 52+	18 33	13½	
	50+	29-	5 58 54+		26	
		52×	6 42 8	47	53-	
	46 32-	47 14-	7 34 33-	13-	49 20	
	29 59	39×	8 47 56		32 40-	
	16-	55-	9 31 19½		52+	
	34 4-	42+	13 12 34×	13+	36 38½:	
			0 35 20½			

In MAY MDCCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
12.			0 43 57			Pole *; above.
13.	12	53—	3 19 33½			☉ 1st L.
			21 47+			☉ 2d L.
	12	52—	6 34 32	28+	9—	Syrius.
	23+	2—	7 26 41—	12½	52+	Procyon.
	4	48—	30 32—	19½	57½	Pollux.
	39 19+	40 1	8 40 43—		42 7	☽ 1st L. 5h 15' 8", 1 mean time.
	15½	55—	12 43 59½			Pole *; below.
	21	2—	13 12 34—	13	52	Spica.
			14 4 43x		5	Arcturus.
14.	8—	48	3 23 29—			☉ 1st L.
			25 43x	24½	5	☉ 2d L.
	25 23	Clouds	7 26 41—			Procyon.
	Clouds	29 47+	30 31½:	Clouds	59½	Pollux.
	30 1½	42+	9 31 24—		32 45½	☽ 1st L. hazy. 6h 1' 44", 6 mean time.
Clouds prevented me from observing the Transit of Mars; nor could its distance be taken from the ☽'s L. during the whole Evening.						
15.	42 34½	13	0 43 52—		44 59	Venus's Center. 21h 7' 47", 5 mean time.
16.	0½:	40½	3 31 22—			☉ 1st L.
			33 36+	17½	34 58½	☉ 2d L.
			4 58 53+	48½		Capella.
			6 34 31½			Syrius.
	6 15—	54x	11 7 34		8 54—	☽ 1st L. 7h 29' 47", 9 mean time.
	15—	54—	12 43 59		51	Pole *; below.
		1—	13 12 33		4½	Spica.
	45 31—	9	14 4 42x	23½	48 5+	Arcturus.
			0 46 48			Venus's Center. 21h 6' 47", 8 mean time.
17.	57½	38	3 35 19			☉ 1st L.
			37 34—	15	56—	☉ 2d L.
			5 42 7—			α Orionis.
			6 34 31	11½	51	Syrius.
			7 26 40—			Procyon.
			30 31—			Pollux.
			9 55 31—			Regulus.
	52 53	53 32	11 54 12		55 31	☽ 1st L. 8h 12' 22", 5 mean time.
	14+	53½	12 44 0			Pole *; below.
			13 12 33—	12—	51—	Spica.
	3 24	4 5—	14 4 42—			Arcturus.
			4	5 27	8—	Small Star near Arcturus.
		57+	16 58 52+		42+	Capella; below.
	2 51+	32½	17 4 14—		5 36½	Jupiter's Center. 13h 21' 33", 9 mean time.
	10+	59+	18 28 49—		28—	α Lyrae.
		10—	19 34 49+	28+		γ } Aquilæ.
	44x	23	39 2+		20+	α } Aquilæ.
	12—	50+	43 29+	8	47—	β } Cygni.
	27½	21	20 33 15½		3+	
	48 30—	49 8+	0 49 47		51 4+	Venus's Center. 21h 5' 51" mean time.
18.	55+	36—	3 39 17			☉ 1st L.
			41 31½	13	53½	☉ 2d L.
			4 58 52+		42½	Capella; above.
		0½	7 26 39+	18	56½	Procyon.
	3—	46+	30 30½	14+	58—	Pollux.
	39 32+	11½	12 40 51		42 10—	☽ 1st L. 8h 54' 58", 4 mean time.
	14	53	13 12 32½		50½	Spica.
			14 4 42—	23		Arcturus.
			4 46:			Small Star near Arcturus.
With the six foot Reflector at 15h 19' 31", by this Clock, the 1st Satellite of Jupiter immersed.						
Apparent time 11h 37' 11".						
	31+	9½	0 52 49		54 6½	Venus's Center. 21h 4' 56", 8 mean time.
19.	53½	34	3 43 15+			☉ 1st L.
			45 30	11+	52	☉ 2d L.
			6 34 30+			Syrius.
			7 26 39—	18—	56+	Procyon.
		46	30 30—	14+	57½	Pollux.
	11—	50	9 55 30—	9½	49—	Regulus.
	14—		13 12 32	11+	50+	Spica.
	27 2+	27 41½	28 21x		29 40+	☽ 1st L. 9h 38' 25", 3 mean time.
			14 4 41+		4—	Arcturus.
20.	52—	32+	3 47 14—			☉ 1st L. { Fluttered.
			49 29	10½	51	☉ 2d L. }
		56½	4 58 52	47+	42+	Capella.
		17:	5 2 56	35	14	Rigel. Faint.

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DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
h 20.	21+ 2 Clouds	50- 0 46-	6 34 30 7 26 38½ 0 30 30- 0 50 1:	18- 14- Clouds	50½ 56 58-	Syrius. Procyon. Pollux. Venus's Center. 21 ^h 2' 16", 7 mean time.
⊙ 21.	51 x 21	32- 59½ 46-	3 51 13½ 53 29- 6 34 30- 7 26 38+ 30 29½ 9 55 29½	10+ 10+ 17- 13½	51½ 50+ 56 57+	⊙ 1st L. ⊙ 2d L. Syrius. Procyon. Pollux. Regulus.
h 22.	10+	50-	42 5+ 9 55 29+	44+ 9	48½	α Orionis. Regulus.
δ 23.	57 52 10+ 13+ Clouds 2 55:: 7 20+	33- 29 45+ 49½ 52+ Clouds 59	3 59 14- 1 30- 6 34 29½ 7 Cloudy 9 55 29+ 11 38 8- 13 12 31½ 17 4 20:: 0 44 0: 1 8 38	11- 10 31 13½ 38 46+ 11- 5 22	52 Clouds 25 50- 3 5 44½:: 9 55	⊙ 1st L. ⊙ 2d L. Syrius. Pollux. Regulus. β Virginis. Spica. Arcturus. ⊙ 2d L. 12 ^h 58' 5", 6 mean time. Pole *; above. Faint. Venus's Center. 21 ^h 1' 4", 1 mean time.
z 24.	53 2- 24 19- Clouds	34 56 49 4 52+ 0- 11 16	4 3 15½ 5 31+ 58 51½ 6 34 30-: 7 26 38 30 29½ 11 36 44+ 13 12 31½ 14 4 41 0 44 2 1 11 55	13 13 x 22	54- 42- 50 56- 57 50- 3 13 12½	⊙ 1st L. ⊙ 2d L. Capella. Syrius. Procyon. Pollux. β Leonis. Spica. Arcturus. Pole *; above. Very faint. Venus's Center. 21 ^h 0' 24", 8 mean time.
h 25.	5 55- Clouds 9 16½ 27-	36 49+	4 7 17+ 9 33½ 6 34 29½	15 10	6 50	⊙ 1st L. ⊙ 2d L. Syrius.
z 26.	Clouds 9 16½ 27-	20½	14 4 41 20 10 42- 33 15-	22+ 25	3 7 2+	Arcturus. ⊙ 2d L. 15 ^h 52' 8", 7 mean time. α Cygni.
h 27.	Clouds Clouds 56 35½ 18½	56+ 17 15: 0-	4 17 39 58 51½ 5 2 56 6 34 30- 9 57 55: 14 4 41-	21- 47 35 10 Clouds 22-	2+ 42 Clouds Clouds 3	⊙ 2d L. Capella. Rigel. Syrius. Mars. 5 ^h 37' 6", 8 mean time. Arcturus.
⊙ 28.	Clouds 19- 10 23	59½ 11 3½	6 34 30- 14 4 41- 22 11 45	10 22 12 26½	50 3- 13 7+	Syrius. Arcturus. ⊙ 2d L. 17 ^h 45' 0", 7 mean time.
h 29.	6+ Clouds 19 x	22 48 0 11 52½	4 23 30- 25 46 58 51½ 14 4 41 12 44 6 13 12 32-	28 Clouds 13 11	9½ 42 3+ 50 x	⊙ 1st L. ⊙ 2d L. Capella. Arcturus. Pole *; below. Spica Virginis.
h JUNE 1.	Clouds 13+ 19- 55 3:	52+ 0- Clouds	0 44 8 7 26 38½ 10 7 16+ 12 44 7 13 12 32- 14 4 41- 16	17+ 11- 22	55:: 8 35+ 50- 3-	Pole *; above. Procyon. Mars. 5 ^h 26' 47", 1 mean time. Pole *; below. Spica. Arcturus. Jupiter's Center.
z 2.	38 26½ Clouds 1 38: 13+ 41 46	39 8 41 25 17- 25 59½ 52 42 24½	4 Cloudy Clouds 5 2 56 7 26 38½ 30 29½ 12 44 6 13 12 31½ 1 43 4	42:: 42 49 27 17 x 11- 43 43	Clouds 43 30 x Clouds 49½ 44 22	⊙ 1st L. ⊙ 2d L. Rigel. Procyon. Pollux. Pole *; below. Spica. Venus's Center. 20 ^h 56' 4", 6 mean time.
h 3.		43 14-	4 43 55½	44 37½	45 19	⊙ 1st L.

In JUNE MDCCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
h 3.	44 49½ 33 9½ 25 20½ 54 10- 13- 18+	45 31 49 59 49 52 59+	4 46 13- 58 52 6 34 29½ 7 26 38 9 55 29 13 12 31½ 14 4 40½ 16 40 19 42 17 45 13 45 26 56 21-	55- 59 47 10- 27 17- 56 9- 10½ 15 23	47 36½ 42 50- 55 48 49½ 2½ 5½	☉ 2d L. Capella. Syrus. Procyon. Regulus. Spica. Arcturus. Antares. 22 } 24 } Ophiuchi. 26 } Jupiter's Center. 12h 6' 52", 4 mean time.
☉ 4.	38	19½	4 48 1½ 50 19-	1-	42	☉ 1st L. ☉ 2d L.
☽ 5.	Clouds	3 59	14 Cloudy			Arcturus.
☽ 6.	54 52+ 57 9½ 52 19½ 43+ 56 25	55 34- Clouds 59x 0½ 22+ 49½ 4	4 56 16 58 33:: 14 4 40½ 9 16 21 27- 24 11+ 29 21- 30 23 34 0+ 37 35x 40 16½ 43 43½ 16 53 42+ 19 34 48+ 43 29- 1 57 43+	58 22- 40½ 7+	Clouds 59 57:: 2½ 55 5+ 19 59 1	☉ 1st L. ☉ 2d L. Arcturus. 7 Hydrae Cont. 8 } Bootis. 9 } 9 Hydrae Cont. μ Virginis. o Bootis. α Lybrae. ξ Bootis. 2 ξ Lybrae. Jupiter's Center. 11h 52' 26", 1 mean time. 7 } α } Aquilae. β } Venus's Center. 20h 54' 58" mean time.
☽ 7.	59 0- 48- 33 9 17 26 15- 51 47 1	59 41+ 59 26+ 49 Clouds 11 52 57x 28 56	5 0 23½ 2 41- 42 5x 6 34 29½ 10 13 12 31+ 16 14 40x 53 9½ 58 51½	1 5½ 3 23 44 35 10- 10½ 47	47 4 4½ 23- 50 49½ 6- 54 33 41½	☉ 1st L. ☉ 2d L. α Orionis. Syrus. Mars. Spica. Antares. Jupiter's Center. 11h 47' 57", 6 mean time. Capella; below.
☽ 8.	8- Clouds 13+ 18+	49 52 59+	5 4 31 6 49- 7 26 38 10 20 41 13 12 31½ 14 4 40+	31- 17 31 13 5 22-	12 Clouds 57- 22 0- 49½ 6 3	☉ 1st L. ☉ 2d L. Procyon. Pollux. Mars. 5h 12' 37", 5 mean time. Spica. Arcturus.
☽ 9.	7 15 33 47½ 9+ 17 34 10 19+ 18+	57- 14½ 26½ 49 59- 45 18 16 49x 58½ 4 3 Clouds 16+	5 8 39 10 57- 42 5½ 6 34 29x 7 26 38- 30 29 8 18 58½ 9 55 29 10 22 38- 14 4 40½ 4 4 58 51+ 5 2 55+	21x 11 39 19 40x 9- 5 26- 46+ 34+	10 3 12 21- 23+ 49½ 20 22 48- 23 39- 3- 41½ 13+	☉ 1st L. ☉ 2d L. α Orionis. Syrus. Procyon. Pollux. ☽ 1st L. 3h 7' 20", 1 mean time. Regulus. Mars. 5h 10' 39", 1 mean time. Arcturus. Small Star near Arcturus. Capella. Rigel.
☽ 10.	11 24- 13 41+ 9 20½ 9 35+ 10 13 18+	12 5½ 14 23 49 59 17- 49 52 59	5 12 47½ 15 5+ 6 Cloudy 7 26 38- 30 29 9 10 58½ 55 29- 13 12 31+ 14 4 40½ 4 58 51+	13 29½ 15 47x 35 10 17- 13 40 10½ 22- 47-	14 11 16 29 50- 55x 57- 21 56 48 49+ 3- Clouds	☉ 1st L. ☉ 2d L. Syrus. Procyon. Pollux. ☽ 1st L. 3h 55' 15", 8 mean time. Regulus. Spica Virginis. Arcturus. Capella.

In JUNE MDCC LVIII.

DAY of the MONTH.	1st Wire. " "	2d Wire. " "	Meridian Wire. H " "	4th Wire. " "	5th Wire. " "	Names or Characters of the Sun, Planets, and Stars.
10.		16+	5 2 55½	35-		Rigel.
11.	15 32-	13½	5 16 55½ 19 13+	55+	37	☉ 1st L. ☉ 2d L. Syrius. Regulus. Arcturus.
	Clouds 18+	33 49 59	6 Cloudy 9 55 29- 14 4 40½	9- 22-	48- 2½	
12.	15-	57×	16 11 19 14 40 18 47- 20 55 50 27×	23	5+	g Ophiuchi. Antares. λ Ophiuchi. τ Scorpii. Jupiter's Center. 11h 25' 37", 1 mean time.
13.	23 49½ 7	24 31 26 49	5 25 13½ 27 31×	55½ 28 13×	26 37 55	☉ 1st L. ☉ 2d L. α Orionis. Syrius. Procyon. Pollux.
	33 9 Clouds Clouds 34 0+:: 13-	49 40 52- 59-	6 34 29½ 7 30 29- 11 35 20- 13 12 31 14 4 40×	42 44 35 10- 27 17- 13 59½ 10×	43 23 50- Clouds Clouds 36 39 39 2+ 5½	☉ 1st L. 6h 7' 25", 6 mean time. Spica Virginis. Arcturus. Antares.
14.	Clouds 18 14+	28 39½ 20 47½ 59- 57	5 Cloudy 12 21 27×	22 6½: 21½: 22½	46- 2½ 5+	☉ 1st L. ☉ 1st L. Hazy. 6h 49' 29", 6 mean time. Arcturus. Antares.
15.	7+	49-	5 33 31 35 49-	31	13-	☉ 1st L. ☉ 2d L.
17.	12+ 18- 36 15- 44 24	51× 58+ 54½ 45 4½	13 12 30½ 14 4 40- 37 34½ 45 45	38 14½ 46 25+ 47 31½ 50 43- 22+ 48 30 46×	48½ 2- 54 47 5+ 48 11½ 5 49 11- 41-	Spica Virginis. Arcturus. α Libræ. ☉ 1st L. 9h 1' 36", 3 mean time. ☉ Center. γ Scorpii. Antares. Jupiter's Center. 11h 3' 20", 2 mean time. Capella; below.
18.	3 17½ 17 59½ 20 44½	58× 3 24 18 49½ 21 24 23 45½ 29 52 38 10½ 35½	14 4 39½ 15 4 3×	5 21 42+	6 2-	Arcturus. β } ε } Libræ. 4 } γ } α Coron. Borealis. x } Libræ. η } α } Serpents. λ } ☉ 1st L. 9h 50' 39" mean time. ☉ Center. Jupiter's Center. 10h 58' 52", 6 mean time.
19.	51 2 43+	21+	5 52 25½ 16 35 39½ 19 39 1-	53 8 Clouds 39½	53 50- 18-	☉ 2d L. ☉ 1st L. 10h 43' 21", 3 mean time. α Aquilæ.
20.	52 53- 11 Clouds 25 19½ 17-	53 35- 58-	5 56 35 7 26 37-: 14 4 39 15 58 0+ 16 0 31½ 2 32 5 34+ 11 9 14 39- 46 15½ 51 48×	57 17+ 35 9: 20½	59 Clouds 54 1½	☉ 1st L. ☉ 2d L. Syrius. Procyon. Arcturus. 17 } 18 } Scorpii. ε } Ophiuchi. g } Antares. Jupiter's Center. 10h 49' 59", 8 mean time. 28 Scorpii. η Ophiuchi. P. D. 114° 56' 7". Q. p } 33 } Ophiuchi. B } v } Scorpii. z } Ophiuchi.

In JUNE MDCC LVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
20.		35 25: 44 22	17 36 8 45 4	38 51 3	18 51 37 33½ 46-	λ <i>Scorpii</i> . D 1st L. 11 ^h 39' 44",5 mean time. D Center. b <i>Sagittarii</i> .
21.	51 2: 20	57 44 0 2 48-	5 58 26+ 6 0 44½ 34 28 9 55 27: 13 12 30- 14 4 39× 16 14 39-	59 9- 1 26½ 8 9 5 20½ 22-	51- 2 8½ Clouds Clouds 6 1+ 4+	⊙ 1st L. ⊙ 2d L. <i>Syrius</i> . <i>Regulus</i> . <i>Spica Virginis</i> . <i>Arcturus</i> . <i>Antares</i> .
22.	11+ 3 17- 13 57 0 43- 45 7+	50+ 58- 56 44 34 55 21× 50	13 12 29½ 14 4 39× 16 14 39- 45 16 58 50½ 19 39 0+ 46 33+	9- 5 20½ 22 58- 59 45½ 39+ 16+	48- 1+ 4½ 39- 40½ 18- 59	<i>Spica Virginis</i> . <i>Arcturus</i> . <i>Antares</i> . <i>Jupiter's Center</i> . 10 ^h 41' 8",7 mean time. <i>Capella</i> ; below. α <i>Aquilæ</i> . D 2d L. 13 ^h 41' 56",3 mean time.
23.	5 21 39 17- 43 24- 0- 25 49 8+	6 3 8 21 57½ 44 5 54½ 18½	6 6 45 9 3 14 4 39- 16 14 38½ 58 50 20 33 13+ 50 33-	27+ 45+ 20 21½ 45 28 45+ 7+ 51 15	8 9 10 27+ 1- 4 46 9½ 40 1 51 57-	⊙ 1st L. ⊙ 2d L. <i>Arcturus</i> . <i>Antares</i> . <i>Jupiter's Center</i> . 10 ^h 36' 43",7 mean time. <i>Capella</i> ; below. α <i>Cygni</i> . D 2d L. 14 ^h 41' 49",9 mean time.
24.	9 30+ Clouds	10 12+ 12 29½ 50	6 10 54½ Clouds 13 12 29+	13 36½ 54 8½	18 36 47+	⊙ 1st L. ⊙ 2d L. <i>Spica Virginis</i> .
25.	Clouds 3 16½ 56 59½ 42½	57 57½ 55- 21 12 32+ 57 54½	6 14 4 39- 16 58 50- 19 34 47 39 0+ 43 27+ 3 13 12½ 4 58 50	17 54+ 5 20 45+ 39+ 53	36-: 6 1- 40+ 18+ 40+	⊙ 2d L. <i>Arcturus</i> . <i>Capella</i> ; below. γ } <i>Aquilæ</i> . β } <i>Venus's Center</i> . 20 ^h 55' 34",9 mean time. <i>Capella</i> ; above.
26.	17 49 6½ 3 16½ 13 58 46 37+ 47 17- 23 47 57- 48 37- 49 16½	18 30½ 48½ 33 47½ 55½ 42 39+ 57 54½	6 19 12½ 21 30½ 34 28 14 4 39- 16 14 38½ 43 21- 23 47 57- 48 37- 49 16½	55 22 13 35 8+ 5 20½ 22- 44 44- 48 37- 49 16½	37 55- 48½ 6 1 4 44 44- 48 37- 49 16½	⊙ 1st L. ⊙ 2d L. <i>Syrius</i> . <i>Arcturus</i> . <i>Antares</i> . <i>Jupiter's Center</i> . 10 ^h 23' 30",4 mean time. D 2d L. 17 ^h 26' 57",2 mean time.
With the fix foot Reflector at 18 ^h 32' 44", by this Clock, the 1st Satellite of Jupiter immersed. Apparent time 12 ^h 10' 17".						
27.	21 58- 24 15½ Clouds	22 39½ 57½ 57+	6 23 22- 25 39½ 13 12 29+ 14 4 39- 0	24 4 26 22- 20- 43 44	24 46- 27 3+ 1- 43 44	⊙ 1st L. ⊙ 2d L. <i>Spica Virginis</i> . <i>Arcturus</i> . D 2d L.
28.	26 7- 28 24½ 13 41 3 56 59½ 34 31-	Clouds 29 6 55+ 41 44½ 57 54½ 35 10½	6 Cloudy 29 48+ 7 26 36 30 27+ 16 14 38+ 42 26 58 50- 1 35 50	13 30½ Clouds 8- 30 45½ 30 34 39	55 12+ 56:: Clouds 49 53 11 0 40 37 9	⊙ 1st L. ⊙ 2d L. <i>Procyon</i> . } Very faint. <i>Pollux</i> . } <i>Antares</i> . <i>Jupiter's Center</i> . 10 ^h 14' 44" mean time. 28 <i>Scorpii</i> . <i>Capella</i> . D 2d L. 19 ^h 6' 41",2 mean time.
29.	Clouds	43 22-	6 44 4 46 22- 3 Cloudy 4 22 2½ 58 49½	4- 44 3 43- 59 45	45+ 43 22½ 40	⊙ 1st L. ⊙ 2d L. <i>Venus's Center</i> . 20 ^h 57' 28",7 mean time. <i>Aldebaran</i> . <i>Capella</i> .
30.	16	57 13 55+	14 4 38+ 16 14 38	21-	3½	<i>Arcturus</i> . <i>Antares</i> .
JULY 2.	Clouds	42 42- 21 22½ 54+	6 44 4 46 22- 3 Cloudy 4 22 2½ 58 49½	4- 44 3 43- 59 45	45+ 43 22½ 40	⊙ 1st L. ⊙ 2d L. <i>Venus's Center</i> . 20 ^h 57' 28",7 mean time. <i>Aldebaran</i> . <i>Capella</i> .
3.	46 48½ 49 5½	47 30 49 47+	6 48 12 50 29½	54 Clouds	49 36 Clouds	⊙ 1st L. ⊙ 2d L.
4.	50 56	51 38-	6 52 19½	53 2	44-	⊙ 1st L.

In JULY MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
	' "	' "	H " "	' "	' "	
♂ 4.	53 13 3 16 12+	55- 57- 55- 39 12- 54+	6 54 37- 14 4 38× 16 14 38- 39 53× 58 49½	55 19 5 19½ 15 21- 40 35 45-	56 1- 6 0½ 3½ 40-	☉ 2d L. <i>Arcturus.</i> <i>Antares.</i> Jupiter's Center. 9 ^h 48' 36", 8 mean time. <i>Capella</i> ; below.
♀ 5.	55 3+ 57 21-	45 58 2	6 56 27 58 44+	57 9 59 26½	51- 0 8	☉ 1st L. ☉ 2d L.
♀ 7.			7 4 41	then Cloudy		☉ 1st L.
☉ 9.	11 29½	11-	7 12 53- Clouds 5	15 52-	Clouds 43 22-	☉ 1st L. ☉ 2d L. <i>α Orionis.</i>
♂ 11.	8+	20 22+ Clouds	7 6	35 9-	Clouds	☉ 1st L. <i>Syrius.</i>
♀ 12.	23 45½ 26 2	24 27 44-	7 25 9- 27 25+	50½ 28 7	2 48½	☉ 1st L. ☉ 2d L.
♂ 13.	50- 13½ 9- Clouds 40 47 8½	28 31: 56 58 26- 33 48½	7 29 13 31 29 16 14 39 18 28 47½ 5 42 5- 6 Cloudy	11 22 37- 3 34½ 44-	16 52+ 5+ 26+ 13+ 22+	☉ 1st L. ☉ 2d L. <i>Antares.</i> <i>α Lyrae.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrius.</i>
♀ 14.	31 52½ 3 17: 1 37½	35- Clouds 16+ 41 26-: 33 48½	7 33 16½ 35 33- 14 4 39½ 5 2 55+ 42 5- 6 34 29::	14½ 5 21- 34+ 44- 9:	6 56- 1½ 13× 22½ 49	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrius</i> ; windy.
♂ 15.	35 57 13+ 33 9	36 38½ 54½ 49-	7 37 20 39 36 6 34 29	38 2- 40 18- Clouds	43 59	☉ 1st L. ☉ 2d L. <i>Syrius.</i>
☉ 16.	39 59½ 13 14 Clouds Clouds	41- 56½ 35 11	7 41 22½ 43 38½ 16 8 11: 14 39½ Clouds 18-	20 52: 15 22½ 29 37	1+ 9 32½ 16 5 26	☉ 1st L. ☉ 2d L. ☉ 1st L. 8 ^h 29' 47", 4 mean time. <i>Antares.</i> Jupiter's Center. 8 ^h 56' 42", 8 mean time. <i>α Lyrae.</i>
♂ 17.	Clouds Clouds Clouds 14 34 16 4 51 9+	56+ 57+ 55 54 Clouds 58+	7 45 24+ 47 40½ 13 12 30 14 4 39+: 16 14 39+ 35 39 56 34+ 17 6 16: 18 28 47½	22 Clouds Clouds 22+ 14+ Clouds 37-	3 48+ 1½: 5- 36 2 7 41: 26+	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> Jupiter's Center. 8 ^h 32' 19" mean time. <i>α Ophiuchi.</i> ☉ 1st L. 9 ^h 23' 47", 1 mean time. <i>α Lyrae.</i>
♂ 18.	13 14-	56+	16 14 39½	15 22+	5-	<i>Antares.</i>
♀ 19.	9½ 43:	1+ 58+ 12 16: 22:	7 55 42½ 18 28 48- 19 12 59: 39 1:	56 24 37½ 13 42	50- Clouds 26½ 14 25 19+	☉ 1st L. ☉ 2d L. <i>α Lyrae.</i> ☉ 1st L. 11 ^h 22' 17", 6 mean time. <i>α Aquilæ.</i> Hazy.
♂ 20.	56 5 58 20½ 13 14 33 34- 9+ Clouds Clouds	46½ 1½ 56+ 34 15 58½ 24½ 41 26½	7 57 28- 59 43 16 14 39+ 15 34 56½ 18 28 48 4 22 5- 5 42 5½	58 9 0 24+ 22½ 35 38 37½ Clouds 59 47½ 44½	50 1 5+ 5 36 19+ 26½ 25 42+ 23	☉ 1st L. ☉ 2d L. <i>Antares.</i> Jupiter's Center. 8 ^h 40' 44", 9 mean time. <i>α Lyrae.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>α Orionis.</i>
I found the line of Collimation and Level right.						
♀ 21.	14	56½ 22+ 50-	16 14 40- 19 39 2- 43 29-	22½ 41- 7½	5 19× 46	<i>Antares.</i> <i>α Aquilæ.</i>
♂ 22.	Clouds 26 42:: 57 2 10-	Clouds 57 33 49+	18 28 48+ 22 4 58 52½ 6 34 29½	38- 59 48× 10-	Clouds 43- 50-	<i>α Lyrae.</i> ☉ 2d L. <i>Capella.</i> <i>Syrius.</i>
☉ 23.	8 4- 10 19-	44½ 59½	8 9 26+ 11 41	10 7+ 12 22+	10 48 13 3	☉ 1st L. ☉ 2d L.

In AUGUST MDCCCLVIII.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
24	37 44+	23 50:	19 39 2+	41 8	20 47-	α { <i>Aquila</i> . β { 2d L. 16 ^h 12' 52", 3 mean time. α <i>Orionis</i> . Hazy. <i>Syrus</i> .
	22 46 $\frac{1}{2}$		0 24 5+	24 45	25 25-	
	33 9 $\frac{1}{2}$	49:	5 34 30-	42 45	50:	
25	10	59 59+	14 4 40+	21+	2+	<i>Arcturus</i> .
			18 28 49-	38	27+	α <i>Lyræ</i> .
	34 $\frac{1}{2}$	23	19 34 49	28+	7	γ { <i>Aquila</i> . α { β {
	12	50 $\frac{1}{2}$	39 2+	41+	20+	
	17 38+		43 29+	8	46 $\frac{1}{2}$	
			1 18 57+	37+	20 16 $\frac{1}{2}$	2d L. 17 ^h 3' 39", 4 mean time.
26	19 57 $\frac{1}{2}$	20 38 $\frac{1}{2}$	8 Cloudy		22 41	$\odot$ 1st L.
	11 33	22 52 $\frac{1}{2}$	Clouds			$\odot$ 2d L.
	57 3	58-	2 12 52 $\frac{1}{2}$	32 $\frac{1}{2}$	14 12	2d L. 17 ^h 53' 29", 7 mean time.
			4 58 53x	48 $\frac{1}{2}$	43+	<i>Capella</i> .
27	23 54 $\frac{1}{2}$	24 35-	8 25 16	57	26 38-	$\odot$ 1st L.
	26 8 $\frac{1}{2}$	26 49	Clouds	28 11	Clouds	$\odot$ 2d L.
	11 13	52-	13 12 31	10x	49	<i>Spica Virginis</i> .
	3 18x	59+	14 4 40 $\frac{1}{2}$	5 21 $\frac{1}{2}$	6 2 $\frac{1}{2}$	<i>Arcturus</i> .
	45-	59 $\frac{1}{2}$	18 28 49		27 $\frac{1}{2}$	α <i>Lyræ</i> .
	33 10:	23+	19 39 2 $\frac{1}{2}$	41+	20+	α <i>Aquila</i> .
		Clouds	6			<i>Syrus</i> .
28	3 18 $\frac{1}{2}$	59	14 4 40 $\frac{1}{2}$		6 2 $\frac{1}{2}$	<i>Arcturus</i> .
	15-	57+	16 14 40	23+	Clouds	<i>Antares</i> .
	3-	57+	58 53	48 $\frac{1}{2}$	43	<i>Capella</i> ; below.
	10+	59+	18 28 49		27 $\frac{1}{2}$	α <i>Lyræ</i> .
	44 $\frac{1}{2}$	23+	19 39 2 $\frac{1}{2}$	41 $\frac{1}{2}$	20+	α { <i>Aquila</i> . β {
	12+	51-	43 29 $\frac{1}{2}$	8+	47	<i>Procyon</i> .
		26 0-	7 26 38 $\frac{1}{2}$	17+	56	<i>Pollux</i> . Faint.
		29 46	30 29 $\frac{1}{2}$	14	57 $\frac{1}{2}$	
29	31 40	32 26 $\frac{1}{2}$	8 33 7+	48	29 $\frac{1}{2}$	$\odot$ 1st L.
	59 $\frac{1}{2}$	34 40	35 21	36 2	43-	$\odot$ 2d L.
	Clouds		14	5 22-	2 $\frac{1}{2}$	<i>Arcturus</i> .
	10 $\frac{1}{2}$	59+	18 28 49	38+	27 $\frac{1}{2}$	α <i>Lyræ</i> .
	44 $\frac{1}{2}$	23+	19 39 2 $\frac{1}{2}$	42-	20+	α <i>Aquila</i> .
		21 26-	4 22 6	46 $\frac{1}{2}$	26x	<i>Aldebaran</i> .
	54 26	55 8-	55 49+	56 31	57 13	2d L. 20 ^h 24' 11", 8 mean time.
			58 53 $\frac{1}{2}$	59 49	43 $\frac{1}{2}$	<i>Capella</i> .
	49	2 17 $\frac{1}{2}$	5 2 57-	3 36	4 15	<i>Rigel</i> .
		27 $\frac{1}{2}$	6 42 6 $\frac{1}{2}$	46-	24-	α <i>Orionis</i> .
			6 34 30+			<i>Syrus</i> .
30	35 41-	36 21+	8 37 2	43	4	$\odot$ 1st L.
	54 $\frac{1}{2}$	35	39 16-	56 $\frac{1}{2}$	41 37	$\odot$ 2d L.
AUG. 2	47 22 $\frac{1}{2}$	48 3-	8 48 43 $\frac{1}{2}$	4+	50 4 $\frac{1}{2}$	$\odot$ 1st L.
	35 $\frac{1}{2}$	50 16	50 56 $\frac{1}{2}$	51 37+	52 17 $\frac{1}{2}$	$\odot$ 2d L.
	3 19-	4 0-	14 4 41	5 22+	6 3+	<i>Arcturus</i> .
		58	16 14 41	24-	6 $\frac{1}{2}$	<i>Antares</i> .
	11-	0	18 28 49 $\frac{1}{2}$	39	28	α <i>Lyræ</i> .
	45+	24	19 39 3	42+	21-	α <i>Aquila</i> .
	47-	26 $\frac{1}{2}$	4 22 7-	47	27-	<i>Aldebaran</i> .
3	51 15-	Clouds	8		56 9 $\frac{1}{2}$	$\odot$ 1st L.
	45+	24+	Clouds		21	$\odot$ 2d L.
		51+	19 39 3x	42+		α { <i>Aquila</i> . β {
		59-	43 30+	Clouds	48-	<i>Capella</i> .
	40	19-	4 58 54+	50-	44 $\frac{1}{2}$	<i>Rigel</i> .
	50-	28+	5 2 58-	37-	16-	α <i>Orionis</i> .
	11	33 51:	6 42 7 $\frac{1}{2}$	46+	25	<i>Syrus</i> .
4	Clouds	Clouds	8 56 28-	57 8		$\odot$ 1st L.
	20		18 28 50-	59 21+	0 2+	$\odot$ 2d L.
	50	28+	5 42 7+	39+	28+	α <i>Lyræ</i> .
	11		6 34 31+	46+	25	α <i>Orionis</i> .
				11 $\frac{1}{2}$	51 $\frac{1}{2}$	<i>Syrus</i> .
5	58 58 $\frac{1}{2}$	59 38 $\frac{1}{2}$	9 0 19	59 $\frac{1}{2}$	39 $\frac{1}{2}$	$\odot$ 1st L.
	21	51	2 31 $\frac{1}{2}$	3 12	52 $\frac{1}{2}$	$\odot$ 2d L.
		0-	14 4 41	22 $\frac{1}{2}$	3+	<i>Arcturus</i> .
		0+	18 28 50-	39	28+	α <i>Lyræ</i> .
	50	38 24+	19 39 3 $\frac{1}{2}$	Clouds	21+	α <i>Aquila</i> .
	11	28+	5 42 7 $\frac{1}{2}$	46+	25	α <i>Orionis</i> .
	25 22 $\frac{1}{2}$	51	6 34 31+	11 $\frac{1}{2}$	52-	<i>Syrus</i> .
		26 1-	7	27 18 $\frac{1}{2}$	57-	<i>Procyon</i> .
		46	30 31	31 15		<i>Pollux</i> . Faint.

In AUGUST MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
⊙ 6.	Clouds 11+	5 41½ 0+	9 6 22 18 28 50— 5 2 58 42 8— 6 34 31½	7 2½ 39+ 37+ Clouds 12—	43— 28+ 16: 25+ 52—	⊙ 2d L. α <i>Lyræ</i> . <i>Rigel</i> . α <i>Orionis</i> . <i>Syrus</i> .
♂ 8.	31 7½ Clouds 45+	31 20½ 47	9 Cloudy 14 1— 12 Cloudy 19 39 3+ 43 30½	15 24+ 42+ 9½	9½ 7— 21+ 48—	⊙ 1st L. ⊙ 2d L. δ 1st L. <i>Antares</i> . α { <i>Aquilæ</i> . β {
♂ 9.	3 19 46— 42 13	0— 11 24+ 51½	14 4 41× 16 14 41 19 34 50× 39 3+ 43 20½	22½ 24 29½ 42½ Clouds	3 7— 8½ 21×	<i>Arcturus</i> . <i>Antares</i> . γ { <i>Aquilæ</i> . α { β {
♂ 10.	18 6— 17+ 31 48½ 11+ 45½ 13	46— Clouds 58 32 30 0 24× 51½	9 19 26 21 38 16 14 41 18 33 11½ 19 28 50— 39 3+ 43 30+	6+ 22 18 53 39 42½ 9½	Clouds 58— 6½ 34 34½ 28— 21 48—	⊙ 1st L. ⊙ 2d L. <i>Antares</i> . <i>Jupiter's Center</i> . 7 ^h 16' 24", 1 mean time. α <i>Lyræ</i> . α { <i>Aquilæ</i> . β {
♀ 11.	21 53½ 5 19 51 38+	22 33½ 45 0— 52 19— 58×	9 23 13½ 25 25× 14 4 41 52 59: 16 14 41 19 34 50 39 3+ 43 30+	26 54— 5+ 24+ 29½ 42+ 9	4— 45 3 Clouds 7— 8+ 21 47½	⊙ 1st L. ⊙ 2d L. <i>Arcturus</i> . δ 1st L. 5 ^h 32' 32", 2 mean time. <i>Antares</i> . γ { <i>Aquilæ</i> . α { β {
♂ 12.	42 3 19— 42 51— 45+ 40	26 20½ 32— 59½ 43 32— 0— 24 19—	9 27 1— 29 12 14 4 41 15 44 13× 16 14 41 18 28 50— 19 39 3+ 4 58 55— 5 2 58 6 34 31:	41— 52 22½ 54½ 24 40— 42+ 50 37	28 21— 30 32 6 3 45 35½ 6½ 28+ 21— 45— 16—	⊙ 1st L. ⊙ 2d L. <i>Arcturus</i> . δ 1st L. 6 ^h 19' 42" mean time. <i>Antares</i> . α <i>Lyræ</i> . α <i>Aquilæ</i> . <i>Capella</i> . <i>Rigel</i> . <i>Syrus</i> . Very hazy.
⊙ 13.	29 27½ 38+	30 7— 29 46½	9 30 47— 32 58+ 7 30 30½	31 27— 38½	32 6½ 34 18	⊙ 1st L. ⊙ 2d L. <i>Pollux</i> .
♂ 14.			14 4 41—			<i>Arcturus</i> .
♂ 15.		0—	18 28 49×	39—	27+	α <i>Lyræ</i> .
♂ 16.	40 43½ 54 11— 45	41 23 33½ 0— 23½	9 42 2½ 44 13½ 18 28 49 19 39 3—	43— 53+ 39— 42	43 22 45 33 27½ 20+	⊙ 1st L. ⊙ 2d L. α <i>Lyræ</i> . α <i>Aquilæ</i> .
♂ 17.	44 27½ 32 29 48 48×	7 10+ 23+ 49 30	9 45 47— 47 57+ 14 4 40½ 16 14 40 33 52— 39 2½ 20 50 13—	37 21½ 23+ 41½	16+ 3— 6— 35 15 20 51 37+	⊙ 1st L. ⊙ 2d L. <i>Arcturus</i> . <i>Antares</i> . <i>Jupiter's Center</i> . 6 ^h 49' 33", 9 mean time. α <i>Aquilæ</i> . δ 1st L. Fluttered. 11 ^h 5' 12", 6 mean time.
♀ 18.	10 53 12½ 13 41	59 23+ 53 54— 20½	16 14 40× 18 28 48+ 19 39 2+ 21 34 35 57 0 22 15 0	23 38— 41½ 57 41½	5½ 27— 20 58 23— 16 19	<i>Antares</i> . α <i>Lyræ</i> . α <i>Aquilæ</i> . δ 1st L. { <i>Cent</i> . 12 ^h 6' 40", 9 mean time. δ 2d L. { <i>Saturn's Center</i> . 12 ^h 25' 50", 5 mean time.
♂ 19.	54: 10— 45—	34— 39 23+	9 53 13+ 55 24— 18 28 48+ 19 38* 2½	Clouds 29 38 41+	27 20	⊙ 1st L. ⊙ 2d L. α <i>Lyræ</i> . α <i>Aquilæ</i> . *39
⊙ 20.	14+ 32 57½	57— 39	16 14 40— 34 20+ 4 16	23— 59 49	5+ 35 43 44—	<i>Antares</i> . <i>Jupiter's Center</i> . 6 ^h 38' 14", 8 mean time. <i>Capella</i> ; below.

In AUGUST MDCCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
20.	With the six foot Reflector at 19 ^h 2' 39", by this Clock, the 1st Satellite of Jupiter emerged. Apparent time 9 ^h 3' 12".					
☉	57 25+ 10×	23- 50+ 46 56-	19 39 2 20 33 16- 23 58 45 6 34 30+ 7 26 39- 30 30 40 37	41 34 10- 59 25 11- 17½ 14	20- 35 3+ 0 5 51- 56 42 0-	α Aquilæ. α Cygni. δ 2d L. 14 ^h 1' 26", 7 mean time. Syrius. Procyon. Pollux. Venus's Center. 21 ^h 42' 3", 2 mean time.
☽	19+ 10- 44+ 54 56-	58+ 59- 23 56-	10 0 38+ 2 48+ 18 28 48 19 39 2 0 44 54 56 15	28- 37½ 41+ 55-	7 27- 20- 57 34	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilæ. Pole *; above. δ 2d L. 14 ^h 54' 51", 5 mean time.
♂	1 18- 50 59+ 10+ 49 19+:	40+ 58½ 50+ 0 50 0+	10 4 20 6 30 14 4 40- 18 28 48+ 1 52 19- 6 34 31- 7 26 39 50 42	9½ 21 59- 54 20+ 14-	49- 2 27 53 38 2- 51 56 52 4+	☉ 1st L. ☉ 2d L. Arcturus. α Lyrae. δ 2d L. 15 ^h 46' 50", 2 mean time. α Arietis. Syrius. Procyon. Venus's Center. 21 ^h 44' 14", 7 mean time.
♀	6 42: 46 21 49 21+ 2½	Clouds 58½ 21 28- 0- 46	10 10 11+ 14 4 40- 20 33 15½ 2 47 41 5 42 7- 7 26 39- 30 30	51- 9½ 48 21+ 19 54½ 18- 14-	30 2- 3+ Clouds 24½ 40 57 58-	☉ 1st L. ☉ 2d L. Arcturus. α Cygni. δ 2d L. 16 ^h 38' 7", 5 mean time. α Orionis. Castor. Faint. Procyon. Pollux.
♂	23½	3-	10 11 42 13 52	31½	Clouds	☉ 1st L. ☉ 2d L.
♀	Clouds		4	39 10:	39 51	δ 2d L.
♂	10- Clouds Clouds	27 59-	16 14 40-: 18 28 48 7 26 39	38- 18- 31 14+	27- 56½ 58-	Antares. α Lyrae. Procyon. Pollux.
☉	Clouds 18- 44+ 11 6- 28 16	4-: 58½ 23 21× 45+ Clouds	10 22 42+: 24 52½: 14 4 40- 19 39 2× 20 33 15½ 22 12 25 6	32- 21- 41+ 9+	Clouds 2- 20 3+ 13 44	☉ 1st L. ☉ 2d L. Arcturus. α Aquilæ. α Cygni. Saturn's Center. 11 ^h 47' 52", 8 mean time. δ 2d L.
☽	Clouds		6 7 26 39 30 30½		35 51	Syrius. Procyon. Pollux.
♂	29 44½ 42 12 10 32-	29 23- 50½ 11	10 30 2 32 11 19 39 2+ 43 30- 20 33 16- 22 11 51-	32 50+ 8½: 8½	29: Clouds 3: 13 10-	☉ 1st L. ☉ 2d L. α } Aquilæ. β } α Cygni. Saturn's Center. 11 ^h 39' 26", 5 mean time.
♀	32 23	2- 23½ 42 51-	10 33 41 35 50 19 34 49½ 39 3- 43 30-	29 41½ 8½	8- 7+ 20+ 47-	☉ 1st L. ☉ 2d L. γ } α } Aquilæ. β }
♂	31.	36 40::	10 37 19 39 28½	7+	46+	☉ 1st L. { Hazy. ☉ 2d L. {
♀ SEPT. 1.	50+ 12- 23-	29- 51+ 24+ 1× 47	5 42 8- 6 34 32- 7 19 10 26 40 30 31+ 8 40 41-		25½ 52 20 41: 59- 42 2	α Orionis. Syrius. Castor. Procyon. Pollux. Venus's Center. 21 ^h 54' 44", 5 mean time.
♂	2. 43 18	57-	10 44 36- 46 44½	24-	2½	☉ 1st L. ☉ 2d L.

In SEPTEMBER MDCC LVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
5.	54 10½ 12 17 39+ Clouds	49 52 25 2-	10 55 28 57 37- 6 34 32+ 7 19 11- 26 41- 30 32	15½ 13- 56½ 19+ Clouds	Clouds 52½ 42- 57½	☉ 1st L. ☉ 2d L. ♄ <i>Syrius</i> . ♂ <i>Castor</i> . ♁ <i>Procyon</i> . ♂ <i>Pollux</i> .
6.	57 48- Clouds 11 32 45+ Hazy	26 0 11- 24+ 51½	10 59 5 1 14- 13 18 28 49+ 19 34 50+ 38* 3½ 43 30½	2½ 49 26½ 39- 30- 42½ 9½ 19+:	31 6 28- 8+ 21+ 58-:	☉ 1st L. ☉ 2d L. ♄ 1st L. ♄ <i>Lyræ</i> . ♄ } <i>Aquilæ</i> . ♄ } <i>Procyon</i> . *39
7.	1 25-	3x	11 2 42 4 50½	29½	8-	☉ 1st L. ☉ 2d L.
8.	46 31 29½ 7 45½	38 25- 23 8 25-	19 Cloudy 20 33 17 22 9 4½	11+ 9 44	5- 10 23½	♄ <i>Aquilæ</i> . ♄ <i>Cygni</i> . ♄ <i>Saturn's Center</i> . 10 ^h 57' 20", 2 mean time.
9.	8 38- 46- 16 18- 11 46 29+ 13-	9 16 24½ 59 0 25- 23 53-	11 9 55- 12 3+ 16 17 41- 18 28 49½ 19 39 4- 20 33 17 6 Cloudy	10 34 42+ 18 23- 39 43- 11+	11 12½ 13 20½ 19 4 28+ 21½ 5-	☉ 1st L. ☉ 2d L. ♄ 1st L. 5 ^h 2' 58", 4 mean time. ♄ <i>Lyræ</i> . ♄ <i>Aquilæ</i> . ♄ <i>Cygni</i> . ♄ <i>Syrius</i> .
10.	12 13½ 14 22 11 50+	Clouds 15 0+ 33- 0+	11 13 31½ Clouds 17 13 15 18 28 50-	10 16 18+ 39+	8½ 16 57- 14 40 28+	☉ 1st L. ☉ 2d L. ♄ 1st L. 5 ^h 54' 27", 2 mean time. ♄ <i>Lyræ</i> .
11.	15 50:: 33 32½ 37 46- 42 13½ 52- 13- 28 18½	Clouds 34 11: 38 24½ 52 30+ 53- 29 48x 58+	11 19 34 51- 39 4- 43 31 5 42 9x 6 34 33- 7 19 11x Clouds Clouds 9 29 38½	35 30- 43 44 10- 48 13+ 57 27 20+ 30 19-	9- 22- 48+ 26½ 53+ 42½ 58½: 58½	☉ 1st L. ♄ } <i>Aquilæ</i> . ♄ } <i>Orionis</i> . ♄ <i>Syrius</i> . ♄ <i>Castor</i> . ♄ <i>Procyon</i> . ♄ <i>Pollux</i> . ♄ <i>Venus's Center</i> . 22 ^h 4' 15", 2 mean time.
12.	27 11- 12 35½ 37 46 42 13½ 31 29	20 4 28 0- 13 19:: 38 24½ 51½ 37 22½	11 20 43 18 28 49½ 19 14 2½:: 39 3½ 43 31- 20 33 16½	29 39- 35 29½ 42½ 44 9½ 34 11	30 28 15 28: 36 8½ 21½ 48 35 4½	☉ 1st L. ♄ <i>Lyræ</i> . ♄ 1st L. very uncertain. 7 ^h 47' 3", 3 mean time. ♄ } <i>Aquilæ</i> . ♄ } <i>Cygni</i> .
13.	25 9	47½	11 Cloudy Clouds	24 57+		☉ 1st L. ☉ 2d L.
15.	32 45½ 28½ 22 36 12½ 47 32½ 54 11½	0- 11 24+ 57x 22 6 34+ 23 17- 39 25 52½ 25 2 48 48 12	18 28 49 19 34 50+ 39 3½ 42 36x 20 33 16½ 22 7 14½ 17 23 22 23 58- 40 4+ 41 52½ 44 19½ 6 34 33- 7 19 11 26 41- 30 32 9 48 52 55 30½	38½ 29½ 42+ 15+ 11- 54 24 39 43½ 42 33 45 4½ 13 57- 20- 16+ 49 37+ 56 10½	28- 8 21+ 54 4+ 33½ 25 20- 33 42 58x 0- 50 12	♄ <i>Lyræ</i> . ♄ } <i>Aquilæ</i> . ♄ } <i>Cygni</i> . ♄ <i>Saturn's Center</i> . 10 ^h 27' 59", 4 mean time. ♄ <i>Aquarii</i> . ♄ 1st L. 10 ^h 44' 40" mean time. ♄ } <i>Aquarii</i> . ♄ } <i>Fomalhaut</i> . ♄ <i>Syrius</i> . ♄ <i>Castor</i> . ♄ <i>Procyon</i> . ♄ <i>Pollux</i> . ♄ <i>Venus's Center</i> . 22 ^h 7' 42", 4 mean time. ♄ <i>Regulus</i> . Faint.
16.	33 47½ 56- 33 32+ 37 45½ 42 13	34 26 34 11- 38 24½ 51½	11 35 5- 37 13- 19 34 50+ 39 3½ 43 30½	43½ 51½ 35 29½ 42½ 44 9½	22 38 30 36 8½ 40 21½ 48-	☉ 1st L. ☉ 2d L. ♄ } <i>Aquilæ</i> . ♄ }

In SEPTEMBER MDCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
16.	29— 23 42	22½ 24 22—	20 33 16½ 23 25 2	11— 42+	4+ 22½	α Cygni. D 1st L. 11 ^h 41' 38",3 mean time.
17.	31 29 25 25— 33 13— 24 5	22½ 53— 2+ 48	20 33 17— 0 26 44½ 31 32— 6 34 33 7 26 41 30 32½	24 12½ 13½ 20— 16½	28 4 53 53+ 58+ 0	α Cygni. D 2d L. 12 ^h 39' 14",9 mean time. β Ceti. Syrius. Procyon. Pollux.
18.	11— 46— 23 31— 18— 13	59½ 24½ 23— 59 53	18 28 49+ 19 39 3½ 20 33 17— 1 24 50 53 41— 6 34 33×	39— 42½ 11 29+ 14—	28— 21+ 4+ 9 4— 53½	α Lyræ. α Aquilæ. α Cygni. D 2d L. 13 ^h 33' 15" mean time. α Arietis. Syrius.
19.	33— 46— 29 20 54× 51½ 13	11 24½ 51½ 22½ 30+ 53—	19 34 50+ 39 3½ 43 30½ 20 33 17— 2 22 14 5 42 9× 6 34 33×	29½ 42½ 9½ 11— 54+ 48+ 13½	9 21 4½ 34+ 27 53½	γ } α } Aquilæ. β } α Cygni. D 2d L. 14 ^h 26' 33",4 mean time. α Orionis. Syrius.
20.	45½ 29 18 5½ 51½ 24+	48 48 24½ 22+ 30 2½ 48+	11 49 27: 19 39 3½ 20 33 16½ 3 19 27 5 42 9+ 7 19 11+ 26 41+ 30 32½	42+ 11— 8— 48+ 57+ 20 16½	21½ 4½ 48+ 27— 42+ 59— 0	α 1st L. α Aquilæ. α Cygni. D 2d L. 15 ^h 19' 41",2 mean time. α Orionis. Castor. Procyon. Pollux.
21.	51 45 11— 45½ 15 21	24— 59½ 24+ 22+ 2½	11 53 3— 55 10½ 14 4 41—: 18 28 49 19 39 3½ 20 33 16½ 4 16 43½ 7 30 33—:	Clouds 39— 11 17 25	28— 21+ 4+ 6+	α 1st L. α 2d L. Arcturus. α Lyræ. α Aquilæ. α Cygni. D 2d L. 16 ^h 12' 52",3 mean time. Pollux.
22.	55 21+ 29½	58 59½ 8	11 56 38× 58 46½	57 17— 59 25	55 4—	α 1st L. α 2d L.
23.	31 29 9 24½ 22 28 13+ 24 5	22½ 23 8 53 26— 3— 49—	20 33 17— 6 10 49+ 23 49— 29 7— 34 33+ 7 19 11½ 26 41½ 30 33—	11— 11 32 57+ 17—	4+ 14½ 53½ 43— 59 0½	α Cygni. D 2d L. 17 ^h 58' 47",6 mean time. γ } Geminorum. ε } Syrius. Castor. Procyon. Pollux.
24.	2 33 41½ 33 32½ 37 46— 42 13½ 29—	3 11½ 5 20 34 11× 38 24½ 52— 22+ 0 15	12 3 50½ 5 58½ 19 34 50½ 39 4— 43 30½ 20 33 17— 8 0 57½	4 29 6 37+ 35 30 43 44 9½ 11—	5 7 7 15½ 31 8½ 40 21½ 48 4½	α 1st L. α 2d L. γ } Aquilæ. β } α Cygni.
25.	6 9 18 10½ 46— 40+ 5	47½ 56+ 59+ 24+ 22+ 26— 2+ 49— 0 15	12 7 26+ 9 35— 18 28 49 19 39 3½ 20 33 16½ 7 19 11½ 26 41½ 30 33— 8 0 57½	8 5+ 10 13½ 38½ 43— 10½ 57+ 20+ 17—	43½ 52 27+ 21+ 4+ 42½ 59 0+	α 1st L. α 2d L. α Lyræ. α Aquilæ. α Cygni. Castor. Procyon. Pollux. D 2d L. 19 ^h 40' 46",1 mean time.
26.	9 46— 38 45½ 42 13+ 51 54	10 24 59+ 34 11× 39 24½ 51½ 52 35½	12 11 3— 13 11 18 28 49 19 34 50+ 39 3½ 43 31— 8 53 17½	42— 38½ 29½ 43— 9½ 59×	27+ 8½ 21+ 48 40½	α 1st L. α 2d L. α Lyræ. γ } Aquilæ. β } D 2d L. 20 ^h 20' 1",4 mean time.
27.	13 22— 30½	14 0½ 9	12 14 39+: 16 47½	18 6½	56½ 45+	α 1st L. α 2d L.

In OCTOBER MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
27.	10+	0-:	18	39-		α Lyræ.
28.	16 59 19 7+ 46- 28½ 13+	17 37½ 46- 27 59½ 24+ 22 53	12 18 16 20 24½ 18 19 34 50 39 3+ 20 33 16x 5 42 9+ 6 34 33+	21 3½ 29+ 42+ 10+	19 33 21 41½ 8+ 21+ 4 27 53½	☉ 1st L. ☉ 2d L. α Lyræ. γ } Aquilæ. α } α Cygni. α Orionis. Sirius.
☉ Oct. 1.	27 50½ 3 19-	28 29	12 29 8:: Clouds 14 4 41	Clouds 31 55½ 22+	32 34 3+	☉ 1st L. ☉ 2d L. Arcturus.
2.	31 28½ 33 37½ 10½ 46- 13+	34 16- 59+ 11 24½ 51½	12 32 46- Clouds 18 28 49- 19 34 50+ 39 3½ 43 30½	33 25- Clouds 38+ 30- 42½ 9½	34 3: 27½ 8½ 21x 48	☉ 1st L. ☉ 2d L. α Lyræ. γ } α } Aquilæ. β }
5.	3 19	0	14 4 41+	22½	3½	Arcturus.
6.		0- 24½	18 28 49 19 39 3½	38½ 43-	27½ 21+	α Lyræ. α Aquilæ.
9.	49 11½ 34½ 46½ 30- I 5	18- 25+ 23+ I 44½ 40 10	18 28 50- 51 1- 19 39 4½ 20 33 17+ 22 2 24½ 11 40 49	39+ 44- 11+	52 28½ 27 22+ 5 3 44+ 42 6+	α Lyræ. ☉ 1st L. 5 ^h 37' 54", 4 mean time. α Aquilæ. α Cygni. Saturn's Center. 8 ^h 48' 47", 5 mean time. Venus's Center. 22 ^h 24' 57", 9 mean time.
10.	45 20+ 12- 14½ 50 35½ 30-	23 1+ 1- 38 53- 18- 23+ 51	13 2 2½ 4 12 14 4 42½ 18 28 50x 19 34 51+ 39 4½ 43 32- 52 1 20 33 17+	51+ 24- 43½ 10½	30 29-: 22+ 49+ 53 27- 5	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ. γ } α } Aquilæ. β } ☉ 1st L. 6 ^h 34' 48", 9 mean time. α Cygni.
11.	26 47- 14+ 52 9	4 1- 25½ 53 51- 52	13 5 43½ 7 53½ 18 28 50x 19 39 5- 43 32- 20 53 33	33 39½ 44- 11-	11+ 29- 22½ 49+ Clouds	☉ 1st L. ☉ 2d L. α Lyræ. α } α } Aquilæ. β } ☉ 1st L. 7 ^h 32' 14", 6 mean time.
12.	47- 41 51 15+ 26 7 53 15	25+ 52 48- 53 56½: I 21 43 36- 32½ 55 4+ 51- 53+ 52	19 39 4½ 21 53 27½ 54 39+ 22 2 1- 44 21 5 42 11½ 6 34 35+ 7 26 43+ 30 35- 11 54 32+	43+ 22+ 18½	22+ 56 1- 3 20 45 50+ 29 55½ 1- 2+ 55 49+	α Aquilæ. α Aquarii. ☉ 1st L. 8 ^h 29' 15", 2 mean time. Saturn's Center. 8 ^h 36' 35", 4 mean time. Fomalhaut. α Orionis. Sirius. Procyon. Pollux. Venus's Center. 22 ^h 26' 50", 8 mean time.
13.	11 50- 20+ 11½ 29½ 53 19-	28½ 1+ 0½ 23+ 59	13 13 7+ 15 17½ 14 4 42½ 18 28 50 19 39 5- 20 33 17+ 22 54 40-	57- 24- 44- 12-	35½ 5- 28½ 22½ 5- 1-	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ. α Aquilæ. α Cygni. ☉ 1st L. 9 ^h 25' 0", 8 mean time.
14.	52 14	52 53½	13 19 1:: 23 53 34-		18:: 54 53½	☉ 2d L. Very hazy. ☉ 1st L. 10 ^h 19' 58", 3 mean time.
15.	19 16- Clouds 50 21	54+ 51 0	13 20 34- 22 44+ 18 28 50 20 33 17½ 0 51 40	23+ 39½ 11½:	2 28½ 5: 52 59	☉ 1st L. ☉ 2d L. α Lyræ. α Cygni. ☉ 1st L. 11 ^h 13' 59", 2 mean time.
16.	22 59 20 11	38- 1- 0 12-	13 24 17- 26 28 14 4 42 18 28 50- 19 34 51	27::	46 4+ 28+	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ. γ Aquilæ.

In OCTOBER MDCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
10.	40+	25- 52½	19 39 4+ 43 31½		48½	α } <i>Aquila</i> .
	0 14	53+	22 1 33+		2 53-	Saturn's Center. 8 ^h 20' 24",9 mean time.
	50 30		1 51 49½	52 29+	53 9	2d L. 12 ^h 10' 3",3 mean time.
	53+	32	5 42 11+		29-	α <i>Orionis</i> .
	15-	55-	6 34 35		55	<i>Syrus</i> .
			7	19 59	44	<i>Castor</i> .
	25½	4	26 43		0+	<i>Procyon</i> .
	7-	50	30 34+	18+	1½	<i>Pollux</i> .
17.	11-	0-	18 28 49½	39-	27½	α <i>Lyræ</i> .
		23-	20 33 17-	11	4½	α <i>Cygni</i> .
	48 36		2 49 57-	37	51 17+	2d L. 13 ^h 4' 5",6 mean time.
	54 13	16 52½	9 55 32	18 1½	51	<i>Regulus</i> .
		43½	12 17 22½			<i>Venus's Center</i> . 22 ^h 29' 58",5 mean time.
18.	30 28	31 7	13 31 46	32 26-	33 5½	⊙ 1st L.
	32 39½	33 18	33 57½	34 37	35 16-	⊙ 2d L.
	3 20-	4 0½	14 4 42-	5 23	6 4-	<i>Arcturus</i> .
19.	Clouds		18 28 49½			α <i>Lyræ</i> .
	46 17+		4 47 40½	23-	49 4	2d L. 14 ^h 53' 38",3 mean time.
	Clouds	2 22½	58 58½	54-	49+	<i>Capella</i> .
		4	5 Cloudy	40:		<i>Rigel</i> .
	25+	50	7 26 43-	22-	0	<i>Procyon</i> .
	13	52+	30 34+	18	1+	<i>Pollux</i> .
			9 55 32+	12-	56 51+	<i>Regulus</i> .
20.	38 0-	38½	13 39 18	57½	6+	⊙ 1st L.
	40 11½	50½	41 29½	42 9	48½	⊙ 2d L.
	3 19½	4 0½	14 4 42-	5 23	6 4	<i>Arcturus</i> .
			19 39 3½	43-	21+	α } <i>Aquila</i> .
	13½		43 31	9½	48	β }
21.		42 26-	13 43 5	45-		⊙ 1st L.
	58½	44 37+	45 17	56+	46 35	⊙ 2d L.
	3 19½	Clouds	14 Cloudy	5 23½	6 4+	<i>Arcturus</i> .
	11-	0-	18 28 49+	39-	27½	α <i>Lyræ</i> .
	32½	34 11	19 34 51-	30-	9-	γ }
	46	4½	39 4-	43-	21½	α } <i>Aquila</i> .
	14-	52	43 31	10-	48	β }
	29	22+	20 33 17-	31-	4½	α <i>Cygni</i> .
	15-	54½	6 34 35	15+	55+	<i>Syrus</i> .
	43 12		44 37	45 20-	46 2+	2d L. 16 ^h 42' 23",6 mean time.
	42	27+	7 19 13+	59-	44+	<i>Castor</i> .
	25+	4	26 43+	22-	0½	<i>Procyon</i> .
	7-	50+	30 34½	19	2	<i>Pollux</i> .
22.			13 46 53½			⊙ 1st L.
23.	49 23	50 2	13 50 41½	51 21	52 0	⊙ 1st L.
	51 35	53 14+	52 54+	53 33+	54 12½	⊙ 2d L.
	3 20	4 1	14 4 42+	5 23½	6 4½	<i>Arcturus</i> .
24.	24 55	25 36::	9 Cloudy			2d L.
		54 54	56 34:	13½		<i>Regulus</i> .
25.			13 Cloudy			⊙ 1st L.
		59 54	Clouds		59 40½	⊙ 2d L.
26.	33 34-	38 26	19 34 52	35 31+	36 10+	γ } <i>Aquila</i> .
	37 47+	53½	39 5+	44×	40 23	α }
	42 15-	2 4	43 32½	44 11×	49½	β }
	1 4+		11 2 44	3 24+	4 4	2d L. 20 ^h 40' 6",9 mean time.
27.	21	2-	14 4 43-		4½	<i>Arcturus</i> . Windy.
28.	8 36	9 15½	14 9 55½	35	15-	⊙ 1st L.
	49+	29-	12 8½	48½	28	⊙ 2d L.
29.	34+	13×	19 34 52+	32-	10½	γ }
	48-	26+	39 6-	45-	23½	α } <i>Aquila</i> .
	15+	54	43 33-	12-	50	β }
	30½	24	20 33 18½	13-	6+	α <i>Cygni</i> .
	22	3-	14 4 44	25+	6+	<i>Arcturus</i> .
30.	16 23	17 3-	14 17 43-	18 23-	19 2½	⊙ 1st L.
	37-	18 16+	19 56½	20 36+	21 16	⊙ 2d L.
	13	2	18 28 51½	41	30-	α <i>Lyræ</i> .
		13+	19 34 53-	32		γ }
	48+	27-	39 6	45+	23½	α } <i>Aquila</i> .
	16-	54+	43 33+	12	50½	β }
	31	24½	20 33 19-	13	6½	α <i>Cygni</i> .
31.	20 18	58-	14 21 37+	17	6	⊙ 1st L.

In NOVEMBER MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
31.	31 31½ 31 31½ 3 23-	23 11 25:: 21 14½	14 23 51 20 Cloudy 13 21 53½ 14 Cloudy	31 22 33	10+	☉ 2d L. α Cygni. Venus's Center. 22 ^h 39' 16", 8 mean time. Arcturus.
Nov. 1.	26 27+		14 Cloudy Clouds	26 13		☉ 1st L. ☉ 2d L.
2.	28 10- 30 23½ 14 3 24-	31 3+ 3 4 4½	14 Cloudy 31 43+ 18 28 52½ 14 4 46-	30 9½ 32 23½ 5 27+	Hazy 31 6 8-	☉ 1st L. ☉ 2d L. α Lyrae. Arcturus.
3.	32 6½ 21 37 49½ 42 17× 24-	35 46× 1½ 38 28½ 56-	14 33 26½ 35 41 19 34 54+ 39 7½ 43 34½ 20 33 20 14 4 46	34 7- 36 21× 46½ 44 13½	37 1 25½ 52 8	☉ 1st L. ☉ 2d L. γ } Aquilae. α } β } α Cygni. Arcturus.
4.	37 50 42 17½ 32½	34 3½ 15+ 38 28½ 56 26+	18 28 53 19 39 8- 43 35- 20 33 20+	42½ 35 34 47 44 14-	32- 25½ 52½ 8+	α Lyrae. γ } Aquilae. α } β } α Cygni.
5.	27 15 25-	28 4 26½ 5½	18 28 53½ 33 5 20 33 20½ 14 4 47-	29 43 48+ 15 28+	30 32 34 31:: 8½ 9-	α Lyrae. ☉ 1st L. 3 ^h 33' 48", 2 mean time. α Cygni. Arcturus.
6.	44 2 25-	42-	14 45 22 47 37+ 4 47	48 17½ Clouds	57+ 9	☉ 1st L. ☉ 2d L. Arcturus.
7.	48 2½ 17½ 25	50 57½ 6	14 49 22½ 51 38 4 47+	52 3 18+ 28+	50 43 58½ 9½	☉ 1st L. ☉ 2d L. Arcturus.
8.	19 16-: 37+ 51 18+ 33½ 31 53+	52 43: 59 5: 16+ 29½ 57 27+ 32 34½ 6	14 53 24 55 39½ 18 Very windy 19 34 56- 39 9- 43 36- 20 33 21½ 21 33 16½ 22 14 4 47½	56 4½ 20- 35 48- 15- 15½ 58½ 42: 29-	57 44½ 0 14- 26½ 53+ 9 40+ 10-	☉ 1st L. Very windy. ☉ 2d L. α Lyrae. γ } Aquilae. α } β } α Cygni. ☉ 1st L. 6 ^h 21' 41", 7 mean time. Saturn's Center. Arcturus.
9.	56 5× 21 27 16 Clouds 51+ 30 20-	59 45½ 1½ 5 31 0½ 41 18½	14 57 26- 59 42- 18 28 54+ 19 39 9 20 33 22- 22 31 42- 36 57: 40 10½ 58½	0 6½ 22½ 44- 35 35 48 16- 32 23- 32 23- 42 39+	58 47- 1 2½ 33- 14: 27- 9½ 33 3½ 38 17	☉ 1st L. ☉ 2d L. α Lyrae. γ } Aquilae. α } α Cygni. ☉ 1st L. 7 ^h 16' 1", 1 mean time. 2 τ } Aquarii. λ } δ }
10.	0 8-	48-	15 1 28+ 3 44½	25+	5	☉ 1st L. ☉ 2d L.
11.	4 11+ 27½ 34+	7 51½ 7½ 27+	15 5 32 7 48½ 20 33 22-	6 13- 8 29 16	53 9: 9½	☉ 1st L. ☉ 2d L. α Cygni.
12.	20 2½ 56½	42- 37-	1 21 21½ 41 15½ 4 22 17 12 45 5	22 2- 30 18 41 55- 57	41 7+	☉ 1st L. 9 ^h 53' 24", 4 mean time. 2 Arietis. ξ Piscium. Aldebaran. Pole Star; below.
13.	12 20 37+ 38-	13 0½ 15 17½ 34 17: 30	15 13 41 15 58 19 34 56: 39 9+ 22 35 6- 36 57+ 40 10½ 44 25½ 0 45 0	16 22 38½ 48+	15 3- 17 19× 27-	☉ 1st L. ☉ 2d L. γ } Aquilae. α } λ Pegasi. 2 τ } Aquarii. λ } Fomalhaut. Pole *; above.

In NOVEMBER MDCCLVIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
13.	16 48	17 28:	2 18 8-	48	19 28	☉ 1st L. 10 ⁿ 46' 5", 8 mean time.
14.	25+	6-	15 17 47-	45-	26::	☉ 1st L.
	Clouds		20 4-	43½:		☉ 2d L.
	34	27½	18 33 22-	16-	9+	α Lyræ.
			0 44 59			α Cygni.
			49 50½			Pole *; above.
			53 9+			1 σ } Piscium.
			56 28+			2 σ } Piscium.
			1 1 19			β Andromedæ.
			5 33-			ξ } Piscium.
	14 39	Clouds	3 16 0::	Clouds		☉ 1st L.
15.			4 9 13½			1 δ } Tauri.
			10 23+			2 δ } Tauri.
			11 44			3 δ } Tauri.
	16 5+		17 28½	18 10	19 51+	☉ 2d L. 12 ⁿ 37' 15", 8 mean time.
	56+	36+	22 16½	57	36½	Aldebaran.
	14+	10-	59 5	0+	55+	Capella.
		29-	5 3 7½	47-	26-	Rigel.
	25½	6+	12 45 7			Pole *; below.
	31 50+	32 39-	14 4 48-	29-	10-	Arcturus.
			33 19-	34 38+		Venus's Center. 22 ⁿ 51' 25", 4 mean time.
16.	40-	20	15 26 1-	0-	40	☉ 1st L.
			28 18½			☉ 2d L.
	51	30-	18 28 54+	48-	47-	α Lyræ.
	14+	10-	19 39 9-	16-	9	α Aquilæ.
	39	28½	20 33 21½	0+	55+	α Cygni.
			5 3 7+	47-	25+	Capella.
			11 14-			Rigel.
	16 2-		13 20-	9-	18 51-	β } Tauri.
	59	38-	17 26+		35-	☉ 2d L. 13 ⁿ 33' 7", 9 mean time.
			42 17			α Orionis.
17.	47:	28-:	15 30 9	8:	48½:	☉ 1st L. { Hazy.
	15 53:	Clouds	32 27:			☉ 2d L. { Hazy.
			6			☉ 2d L.
18.	33½	28 5:	18 Cloudy	16-		α Lyræ.
Clouds		27+	20 33 21½		17 21	α Cygni.
			7			☉ 2d L.
19.	34-	38 30×	19 34 56	48½	27	γ } Aquilæ.
		27½	20 33 22-	16	10-	α Cygni.
			12 45 6			Pole *; below.
20.	41 18½	44 59	15 42 40×	43 21+	44 2	☉ 1st L.
	43 36½	17½	44 58½	45 40-	46 20½	☉ 2d L.
	37 51½	30+	19 39 9½	48+	27+	α Aquilæ.
	34	28-	20 33 22-	16	9+	α Cygni.
	4 28		9 5 51½	6 33+	7 15-	☉ 2d L. 17 ⁿ 5' 11", 6 mean time.
21.	51½	30+	19 39 9+	48½	27	α Aquilæ.
	33½	27+	20 33 21½	16-	9½	α Cygni.
	54 20+		9 55 40-			Regulus.
	55 13+		56 35		57 57-	☉ 2d L. 17 ⁿ 51' 50", 9 mean time.
			12 45 6			Pole *; below.
	26	7-	14 4 48+	30-	10+	Arcturus.
22.	49 42½	50 23+	15 51 4½	46-	52 27	☉ 1st L.
	52 1+	52 42	53 23+	54 5-	45½	☉ 2d L.
		5+	18 28 54½	44-	33	α Lyræ.
	51+	30+	19 39 9+	48+	27+	α Aquilæ.
		27½	20 33 22-	16-	9+	α Cygni.
	13 27	14 6-	23 14 44	15 22½	16 1	1 σ } Piscium.
	26 26	27 4	27 43	28 22	29 0-	Pole *; above.
			0 44 58			☉ 2d L. 18 ⁿ 36' 3", 3 mean time.
	43 31		10 44 52-	45 32	46 12+	Pole *; below. Faint.
	26	7-	12 45 4	30-	Clouds	Arcturus.
			14 4 48			
23.	55+	36+	15 55 17+	18	59-	☉ 1st L.
	51½:		57 37-	Clouds		☉ 2d L.
	34-	27+	19 39 9+	16	9+	α Aquilæ.
	30 3-		20 33 22-	32 2	32 41+	α Cygni.
	33	13-	11 31 22	33+		☉ 2d L. 19 ⁿ 18' 30", 6 mean time.
			36 53			β Leonis.

In DECEMBER MDCC LVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
23.			11 38 17+ 12 45 5 14 4 48x	55½ 29+	39 34 10	β Virginis. Faint. Pole *; below. Arcturus.
24.	58 10— 28½ 51½ I adjusted the level. The west end was a little too high.	50½ 9½ 5 30+ 28—	15 59 32 16 1 51: 18 29* 55— 19 39 9+ 20 33 22— 0 45 3 12 16 54— 0 44 58 13 12 39½ 14 4 48+	0 13½ 2 32½ 29 44 16 19— 29½	54+ 3 13½ 30 33 27 10— 18 12 58— 10+	⊙ 1st L. ⊙ 2d L. α Lyrae. *28 α Aquilæ. α Cygni. Pole *; above. ⊙ 2d L. 19h 59' 58", 8 mean time. Pole *; below. Spica. Arcturus.
25.	2 24½ 44 27 16½ Clouds	3 5+ 25— 28 5 4 7+	16 3 47 6 6½ 18 28 55— 20 33 21½ 0 45 2 12 44 59 14 4 48½	8½ 48— 29 44½ 16 5 30—	9½ 7 29 30 33½ 10— 6 10½	⊙ 1st L. ⊙ 2d L. α Lyrae. α Cygni. Pole *; above. Pole *; below. Arcturus.
26.	6 40 9 0— 16½ 37 52— 31 34½	7 21 40½ 5+ 38 30½ 32 28—	16 8 3— 10 22½ 18 28 55— 19 39 9½ 20 33 22x 0 45 3	44+ 4 44½ 48½ 34 16+	9 25+ 45 33½ 40 37+ 35 10	⊙ 1st L. ⊙ 2d L. α Lyrae. α Aquilæ. α Cygni. Pole *; above.
28.	34	30½ 28—	19 39 9½ 20 33 22	49— 16+	27+ 10—	α Aquilæ. α Cygni.
29.	52 27—	7½	19 39 10— 12 44 55 14 4 49—	49— 30	27+ 11—	α Aquilæ. Pole *; below. Arcturus.
30.	50+	31+	16 25 13— 27 34—	15½ 56½	⊙ 1st L. ⊙ 2d L.	
DEC. I.	At 10h Mane, I wound up the Clocks.					
6.	54— 24+ 29	38 32½ 32 30— 3x 10—	19 39 12— 20 33 24 12 44 54 13 12 42+ 14 4 51—	50½ 18½ 21½ 32½	29+ 11+ 0½ 13	α Aquilæ. α Cygni. Pole *; below. Spica. Arcturus.
7.	54 19 56 40½ 19— 54— 9 46 0— 24+ 29— 24 3½	55 0½ 57 22+ 8— 33— 30 10 26 39½ 3 10— 45—	16 55 43— 18 28 57 19 39 12— 20 33 24 23 11 6½ 0 44 52 4 22 20— 12 44 54 13 12 42+ 14 4 51— 16 25 26½	56 25— 58 46 47— 39 51— 18 47 0— 22— 32+ 26 8	59 28 35 29+ 11½ 27+ 40— 0½ 13 49½	⊙ 1st L. ⊙ 2d L. α Lyrae. α Aquilæ. α Cygni. ⊙ 1st L. 6h 5' 11", 1 mean time. Pole *; above. Aldebaran. Pole *; below. Spica. Arcturus. Venus's Center. 23h 16' 42" mean time.
8.	58 42 3½ 4 53	59 23½ 45+ 5 32½	17 0 5x 2 27½ 0 6 12½ 0 44 57	0 47 3 9+ 52½	51 7 32	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. 6h 56' 12", 1 mean time. Pole *; above.
10.	0+ 29½	40 10+	4 22 20+ 14 4 52—	0½ 33—	40+ 14—	Aldebaran. Arcturus.
11.	11 54½ 54½ 4 55— 58½	12 36 14 58½ Clouds 30½ 34½ 43 4	17 13 18½ 15 40½ 19 20 33 25— 22 6 14 44 28+ 13 12 43+	59 22½ 51+ 19— 7 33 45 58— 23—	17 4+ 40 30 12½ 7 33 1+ 1+	⊙ 1st L. ⊙ 2d L. α Aquilæ. α Cygni. Saturn's Center. 4h 44' 44", 7 mean time. Fomalhaut. Spica.
12.	30½	11+	17 20 05+ 14 4 53—	47½ 34—	21 29+ 14½	⊙ 2d L. Arcturus.
13.	45 27 20	26½ 9	17 22 9— 24 31 18 28 58+	13 48	55— 37—	⊙ 1st L. ⊙ 2d L. α Lyrae.

In DECEMBER MDCCLVIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
13.	37 55 5 27 21 1 45 12½ 1 54½ 30+ 56 13-	34 31 6 6½ 41- 54 58 14 2 33½ 4½ 11+ 54+	19 39 13 20 33 25 22 6 46x 4 22 21 46 36 59 10½ 5 3 12+ 13 12 44- 14 4 52½ 16 57 36+	19+ 7 26 18+ 0 5 51½ 23 34-	31- Clouds 8 5½ 41+ 0 30+ 2 14½ 59 0-	<i>α Aquilæ.</i> <i>α Cygni.</i> <i>Saturn's Center.</i> 4 ^h 37' 24", 2 mean time. <i>Aldebaran.</i> <i>1st L.</i> 11 ^h 16' 8", 6 mean time. <i>Capella.</i> <i>Rigel.</i> <i>Spica.</i> <i>Arcturus.</i> <i>Venus's Center.</i> 23 ^h 25' 5", 5 mean time.
14.	10-	52- 9	17 26 34 28 56+ 18 28 58+	38½ 48-	20½ 37-	<i>1st L.</i> <i>2d L.</i> <i>α Lyræ.</i>
16.	54- 37 18+ 45 3	39 15+ 2- 24	7 19 25- 26 54+ 30 46 46 28	10½ 33 30 47 11-	56 11½ 13½ 47 53	<i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>2d L.</i> 14 ^h 3' 43", 9 mean time.
18.	31 38- 1+ 54½ 33 37- 25+ 23 23	31+ 41 15- 33+ 4½ 11½ 24 5-	20 33 25½ 4 22 21+ 59 10 5 3 12+ 9 34 59½ 55 44+ 14 4 53- 17 24 47	20- 1½ 5+ 51½ 41 34+ 25 29	13 41+ 0+ 30 36 22 3+ 15 26 11	<i>α Cygni.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>2d L.</i> 15 ^h 44' 5", 3 mean time. <i>Regulus.</i> <i>Arcturus.</i> <i>Venus's Center.</i> 23 ^h 32' 35", 9 mean time.
19.	47 20½ 43 20 56- 38	48 2½ 25+ 9+ 34+ 31½	17 48 45- 51 7½ 18 28 59- 19 39 13+ 20 33 25½	27 50- 48+ 52+ 20-	9 31½ 31- 13½	<i>1st L.</i> <i>2d L.</i> <i>α Lyræ.</i> <i>α Aquilæ.</i> <i>α Cygni.</i>
21.	Clouds 37 31½	56 56½ Clouds 12+	17 57 39- 18 0 1 14 4 54-	21 43+ 35	Clouds Clouds 16	<i>1st L.</i> <i>2d L.</i> <i>Arcturus.</i>
22.	0 41½ 3 4	1 23½ 46-	18 2 6- 4 28-	48 5 10	3 30- 5 52	<i>1st L.</i> <i>2d L.</i>
23.	2+ 20½ 55½ 27 32::	42+ 16- 34+ 11::	4 22 22+ 59 11 5 3 13½ 13 Cloudy	3- 6+ 53-	42+ 1½ 31½	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>2d L.</i>
24.	9 35½ 57½	10 17½	18 11 0:: 13 22	42::	14 46::	<i>1st L.</i> <i>2d L.</i>
28.	27 22	28 11	18		30 39	<i>α Lyræ.</i>
29.	31 49- 3+ 22-	52½ 43 17- 34+	18 33 13- Clouds 4 22 23+ 59 12 5 3 14½	55 4- 8- 54-	34 37- 43+ 2½ 32½	<i>1st L.</i> <i>2d L.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i>
30.	3½	43+	4 22 24-	4	44-	<i>Aldebaran.</i>
31.		32 34	20 33 28	22	15½	<i>α Cygni.</i>

In JANUARY MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
JAN. 2.	54 8½ 58 41: Clouds	50 27 11 46 34½ 43 Clouds	21 55 32- 23 Cloudy Clouds 7 19 29 26 58+ 30 50	56 13½ 47 52½ 15 27 37+ 34+	29 7½ 0- 16- 17½	<i>1st L.</i> 3 ^h 7' 30", 3 mean time. <i>Piscium.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
3.	52 35 5+ 57 24-	53 16- 45x 19-	22 53 56½ 4 22 25+ 59 14	54 37 5+ 9½	55 17½ 45+ 4½	<i>1st L.</i> 4 ^h 1' 48", 9 mean time. <i>Aldebaran.</i> <i>Capella.</i>

In JANUARY MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 5.	43 17+ 6 24½ 9+ 25+	46 19+ 38× 48 14+	0 Clouds 4 22 26 59 15— 5 3 17+ 42 27 18 29 3+	45 17½: 6 10 56+ 6— 53+	46— 5— 35+ 44½ 42	☽ 1st L. Aldebaran. Capella. Rigel. α Orionis. α Lyrae.
♂ 6.	7 10 31½ 0½ 37 8+ 52 34 6 0½ 10—	10 51½ 13 39 36+ 43 52 49 16 53 15½ 46+ 38 48	19 8 33½ 10 55 39 18 20 33 20 1 38 27½ 44 32+ 47 57 53 57 4 22 26+ 59 15 5 3 17+ 42 27+	11 15½ 37 57+ 24 39 7½ 50 33½ 6+ 10 56½ 6+	12 57 18½ 36— 18 47— 46+ 5 35+ 45—	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. ☽ 1st L. 6h 34' 4", mean time. Arietis. 112 } Piscium. α } Arietis. Aldebaran. Capella. Rigel. α Orionis.
☽ 8.	15 56 Clouds 26 25 21 7 51 26— 11— 43+	16 37 18 58½ 27 5½ 32 50 58 20½ 2 39 49 35½ 22— 8+	19 17 19 19 40+ 3 27 46+ 33 32 4 22 27× 59 16— 5 3 18+ 42 28× 6 34 52+ 7 19 31+ 27 1— 30 52½	18 0½ Clouds 28 27½ 34 14+ 23 07+ 0 11½ 57½ 7+ 32½ 17× 40— 37—	Clouds 21 3½ 29 8 47+ 6+ 36+ 45½ 12½: 2+ 18— 20	☉ 1st L. ☉ 2d L. Very Windy. ☽ 1st L. 8h 15' 12", 4 mean time. α Pleiadum. Aldebaran. Capella. Rigel. α Orionis. Syrius. Hazy. Castor. Procyon. Pollux.
♀ 12.	18 7— 26½ 27 28—	49× 10: 10½	7 19 32 27 2+ 30 54+ 18 29 6+:	15 41+ 38: 13½	20— 22 45—	☽ 1st L. 11h 50' 34", 9 mean time. Procyon. Pollux. α Lyrae.
♂ 13.	9— 27½ 2+ 12½ 45 17 6½	49— 22½ 41 51— 24— 10½	4 22 29 59 18— 5 3 20 42 30 7 27 3— 30 54½ 8 18 31—	9+ 13+ 59+ 9 41½ 39— 13½	49+ 8 38 47½ 20 22+ 55½	Aldebaran. Capella. Rigel. α Orionis. Procyon. Pollux. ☽ 2d L. 12h 45' 27", 9 mean time.
☉ 14.	21 9+ 57 28— 2 3— 11 20½	21 49 58 23— 2 41½	19 45 42: 4 22 29+ 59 18 5 3 20½ 9 12 44½:	24: 23 10— 0 13½ 59½ 13 25+	5½ 49+ 8½ 38 7+	☉ 2d L. Aldebaran. Capella. Rigel. ☽ 2 L. Very windy. 13h 35' 36", 1 mean time.
☽ 15.	2 47—	Clouds	10			☽ 2d L.
♂ 16.	51 35+		10 52 56—	53 36—	54 16—	☽ 2d L. 15h 7' 38", 7 mean time.
♂ 17.	21 10— 57 28+ 3+ 13+ 38 18+	50— 23+ 42— 41 52	4 22 30— 59 18½ 5 3 21 42 31— 11 39 37½	10— 14 0+ 10 40 17½:	50— 59— 39— 48½ 56½	Aldebaran. Capella. Rigel. α Orionis. ☽ 2d L. 15h 50' 16", 8 mean time.
♂ 18.	23 42 36+ 40½	15 21+	12 25 0+ 13 12 54½ 14 5 3—	40 33½ 44	26 19 12+ 25—	☽ 2d L. 16h 31' 35", 9 mean time. Spica Virginis. Arcturus.
♀ 19.	25— 14 35½: 25 47 28 8 38 41—	6— 53— 25+ 11½ 15+ 22—	20 4 47 7 6 5 42 31½ 6 34 55½: 7 27 4+ 30 55½ 13 9 57— 12 55— 14 5 3—	47: 11— Foggy 43+ 40— 10 36+ 34	28: 49+ 21½ 23+ 16— 12½ 25+	☉ 1st L. ☉ 2d L. α Orionis. Syrius. Procyon. Pollux. ☽ 2d L. 17h 12' 29", 1 mean time. Spica Virginis. Arcturus.
♂ 20.	7 40 58½ 10+ 29	8 20½ 10 39½ 50+ 24	20 9 2— 11 21— 4 22 30+ 59 19+	12 43+ 2+ 11— 14½	43— 50+ 9+	☉ 1st L. ☉ 2d L. Aldebaran. Capella.

In JANUARY MDCCCLIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
20.	3½ 14 3+ 47- 28+ 54 4- 41 5-	42+ 53- 49 25+ 12- 22 44-	5 3 21½ 42 31½ 7 19 35- 27 4+ 30 56- 13 55 23 14 5 3- 19 39 23-	1- 10½ 20½ 43 39½ 3 1½	39+ 49+ 6- 21½ 23+ 56 42½ 25+ 40+	<i>Rigel.</i> <i>α Orionis.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L. 17 ^h 53' 51",9 mean time. <i>Arcturus.</i> <i>α Aquilæ.</i>
21.	53+ 46½ 10+ 4- 14 40 58½ 30 5	34 40+ 50+ 23½ 42½ 52½ 19 43½	20 13 15 15 34 33 35- 4 22 30½ 59 19+ 5 3 21½ 42 32- 14 42 18½ 18 29 8+ 19 30 23-	15+ 29- 11- 14½ 1- 11- 42 59 58- 2-	56 22½ 50½ 9+ 39½ 42+ 43 39- 47- 40½	☉ 1st L. { Fluttered. ☉ 2d L. { <i>α Cygni.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> D 2d L. 18 ^h 36' 43",4 mean time. <i>α Lyrae.</i> <i>α Aquilæ.</i>
22.	10 7: 25½ 35½ 47+ 29- 30 19-	10 48- 19 6+ 15+ 49+ 25+ 12+ 16 24 18	20 17 29- 19 47½ 6 34 56- 7 19 35+ 27 5- 30 56+ 15 31 41-	20 9½ 28½ 36½ 21 43½ 40½ 32 22	21 9½ 56 6+ 22- 24 33 1::	☉ 1st L. ☉ 2d L. <i>Syrius.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L. 19 ^h 22' 1",8 mean time.
23.	20 19+ 22 38- 10½ 29 4 14 28½ 22 55:	21 0- 23 18½ 50+ 24 43- 53- 25+ 12+ 16 24 18	20 21 41 23 59½ 33 35 4 22 31- 59 19 5 3 22- 42 32- 7 27 4½ 30 56+ 16 24 18	22 22 24 40½ 34 29½ 11+ 14½ 1- 11- 43½ 40½ 25 0	23 3- 25 21½ 23- 51- 9+ 39+ 49+ 22- 24 25 41+:	☉ 1st L. ☉ 2d L. <i>α Cygni.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L. 20 ^h 10' 34",3 mean time.
24.	11- 29+ 15-	51- 24+ 43 53+ 51- 24½ 43+ 20	4 22 31 59 20- 5 3 22 42 32 4 22 31+ 59 20+ 5 3 22+ 18 29 9+	11 15 1+ 11 11+ 15½ 2- 59	51+ 10- 40- 49+ 51× 10+ 40+ 48-	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Lyrae.</i>
27.	37 2½	43-:	20 38 23::	Clouds		☉ 1st L.
28.	12+ 32 7+	52+ 21+ 46 43: 20 33 37	4 22 32½ 18 29 11+ 19 39 25+ 20 33 37	13- 1- 4+ 31	53- 49+ 43 24½	<i>Aldebaran.</i> <i>α Lyrae.</i> <i>α Aquilæ.</i> <i>α Cygni.</i>
29.	45 19 47 36+ 31+ 49+ 31	48 59× 16½ 53- 26 45 51½ 28 14+	20 46 40 48 57× 4 22 33 59 22- 5 3 24 7 19 37½ 27 7- 30 58½	47 21 49 38× 13+ 17 3 23½ 46- 43+	48 1 50 18 53- 12- 42- 8½ 24+ 26+	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
30.	27 33+:	22+	18 29 11½	1-		<i>α Lyrae.</i>
31.	34- 9-	23- 47½	18 29 12 19 39 26½	2- 5+	50½ 44+	<i>α Lyrae.</i> <i>α Aquilæ.</i>
FEB. I.	38 14 33- 18-	18 54- 27+ 56+	20 58 58½ 1 15 4 22 34 59 23- 5 42 35+	55+ 14+ 18+ 14+	35+ 54 13 53-	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>α Orionis.</i>
2.	41 18+ 34½ 38 10-	24- 18 29 13 19 39 27½	5 42 36- 18 29 13 19 39 27½	Clouds 2½ 6½	51+ 45+	<i>α Orionis.</i> <i>α Lyrae.</i> <i>α Aquilæ.</i>
3.	5 46½ 2× 14 41 15	6 26 42+ 15 21- 55-	21 7 7- 9 22½ 2 16 1 4 22 35	47½ 10 3 15+	8 27 43× 21- 55-	☉ 1st L. ☉ 2d L. D 1st L. 5 ^h 21' 17" mean time. <i>Aldebaran.</i>

In FEBRUARY MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
h 3.	8+ 18½ 35	28 47 57 24	4 59 23½ 5 3 26 42 36 18 29 13+	19- 5 15- 3-	14 44 53- 52-	Capella. Rigel. α Orionis. α Lyræ.
☉ 4.	9 49+ 9 50 Clouds 19 40+	10 29× 12 45 10 31: 57+ 20	21 11 9½ 13 25× 3 11 11: 4 59 24 5 42 36+ 6 35 0½	50- 14 5+ 19+ 15½ 41	12 30- 14 45½ Clouds 14½ 54- 21-	☉ 1st L. ☉ 2d L. ☉ 1 L. 6h 12' 21", 8 mean time. Capella. α Orionis. Syrius.
☽ 5.	36- 11-	25- 49½ 32 46	18 29 14+ 19 39 29- 20 33 40	4- 7½ 34+	52½ 46½ 28:	α Lyræ. α Aquilæ. α Cygni.
♂ 6.	17 52: 16+ 2 - 9½ 20- 53	32- 56 48+ 58+ 47-	21 19 12+ 21 27+ 4 22 36 59 25 3 27½ 5 42 37½ 20 33 41-	8- 0 20½ 4 58 16+ 35-	47½ 56 5 40 55 28½	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. ☉ 1st L. α Orionis. α Cygni.
♂ 7.	21 53- 8- 35 20 0 33½: 41+ 35-	22 33- 7½ 30- 58½ Clouds 21+ 18+	21 23 13- 25 28- 4 59 25 5 42 37½ 6 1 57½ 35 1½ 7 27 11- 31 2+	53 8 20½ 17- 2 40+ 42 49½ 46+	3- 7½: 15 55 23- 22- 28 30	☉ 1st L. ☉ 2d L. Capella. α Orionis. ☉ 1 L. 8h 50' 51", 5 mean time. Syrius. Procyon. Pollux.
☽ 8.	58 7½	58 50	6 59 34+::	Clouds	0 59:	☉ 1st L.
♀ 9.		32 45	21 Cloudy	34 5½	45	☉ 2d L.
☉ 11.	46- 18- 11+ 1½ 43 54× 36 41 24 43 3 53 20½	25+ 58- 31+ 50- Clouds 22½ 33- 19+ 42 5 14½ 1- 55 23:	21 39 5 41 19½ 4 22 38 59 26½: 5 3 29 6 35 3 7 27 12- 31 3½ 9 42 46½ 44 56- 56 2½	59+ 18: Clouds 8+ 43 18 43+ 51- 48- 8- 45 37+ 42½	39 58: 47- 56½ 23+ 29 31 9- 46 18 57 11½	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Syrius. Procyon. Pollux. ☉ 1st L. } Cent. 12h 16' 23", 7 mean time. ☉ 2d L. } η Leonis. Regulus.
☽ 12.	41 42× 56 36+ 11+	42 22- 44 36- 31+ 50	21 43 2- 45 15½ 4 59 27- 5 3 20+	41½ 55+ 22 8+	44 21 46 35 17- 47	☉ 1st L. ☉ 2d L. Capella. Rigel.
♀ 16.	27 39+	28 28	18 29 18-	30 7½	50×	α Lyræ.
h 17.	1 12- 33 44 25 55½	51 3½ 42 1+ 34 24 26 34½ 30 21	22 2 31- 4 43+ 5 42 40½ 6 35 4+ 7 27 13½ 31 5-	5 23 43 19½ 45- 52½ 49	49- 6 2+ 58 24½ 31+ 32½	☉ 1st L. ☉ 2d L. α Orionis. Syrius. Procyon. Pollux.
☉ 18.	27 39½	28 28½ 38 53:	18 29 18 19	30 7½ 40 11	56½ 60-	α Lyræ. α Aquilæ.
☽ 19.	8 54+ I found the Level right.	9 33½	22 10 13 12 25½	13 5	44×	☉ 1st L. ☉ 2d L.
♂ 28.	23+ 32 1	3 55-	4 22 43+ 20 33 49-	24- 43+	3½ 37-	Aldebaran. α Cygni.
☽ MAR. 1.	24- 28- 17½ 42½	3½ 6+ 29- 3- 26-	4 22 44 5 42 45+ 6 35 9 7 19 49- 27 18 31 10 19 39 38	24½ 24 34+ 57 54 17-	4+ 3- 29+ 20- 36- 37½ 56-	Aldebaran. α Orionis. Syrius. Castor. Procyon. Pollux. α Aquilæ.
♀ 2.	50 39 24½	4×	22 Cloudy 4 22 45-	25-		☉ 1st L. Aldebaran.

In MARCH MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
2.	21	59½	19 39 39—	18—	56+	α Aquilæ.
3.	Clouds	28 3½	22 55 41 18 29 25—	Clouds		$\odot$ 1st L. α Lyræ.
5.	51— 26 44 49— 44+	2 29 6 45 30 39+	23 Cloudy 4 22 46+ 46 12+ 59 35— 5 3 37½		6+ 47 36 55	$\odot$ 1st L. Aldebaran. δ 1 L. 5 ^h 52' 54", 6 mean time. Capella. Rigel.
6.	43 2 4— 45 53	42 9+ 44½ 42 29— 32	5 44 27 7 27 21 31 13— 9 56 12	0 57 52—	45 52 38½ 31—	α Orionis. δ 1 L. 6 ^h 47' 3", 6 mean time. Procyon. Pollux. Regulus.
7.	Clouds 27 45½ 31 52+ 40 55 4+ 46—	7 40 59+ 9½ 32 38— 6+ 43— 29+	23 10 34— 12 44— 4 22 47+ 59 36— 5 3 38½ 42 48½ 6 35 12½ 42 20½ 7 19 52+ 27 21+ 31 13+	Clouds 53 38 0+ 57+	7+ 56+ 6+ 33— 43 46— 23+ 39— 41	$\odot$ 1st L. $\odot$ 2d L. Aldebaran. Capella. Rigel. α Orionis. Sirius. δ 1st L. 7 ^h 40' 51", 1 mean time. Castor. Procyon. Pollux.
9.	40— 32 25+	18+ 33 7	23 17 57 20 7 8 33 49½	46	24½ 13½	$\odot$ 1st L. $\odot$ 2d L. δ 1st L. 9 ^h 24' 8", 3 mean time.
10.	29+ 48— 23— 33 54+ 23 6+	9+ 42½ 2— 11 x 34 8½ 45— 31 x	4 22 49+ 59 38 5 3 41— 42 50½ 6 35 14½ 7 19 54+ 27 23½ 31 15+ 9 24 26½ 26 14½ 56 15— 19 39 44— 27	30— 33+ 20—	10: 28 58½ 8 35— 25+ 43+ 27 37+ 33½ 1½ 35 43	Aldebaran. Capella. Rigel. α Orionis. Sirius. Castor. Procyon. Pollux. 8 Leonis. δ 1st L. 10 ^h 12' 28", 3 mean time. Regulus. α Aquilæ. α Cygni.
11.	55 7— 48+ 1 14 52+ 51½	12 35— 9— 45 x 32— 55 35½ 42 15 33— 41— 5 1½	23 27 30— 4 59 38½ 5 3 41 42 51 6 35 15+ 7 19 55— 27 24 31 16 9 56 15+ 10 7 23½ 16 14— 18 29 30 19 39 44 20 33 56—	Clouds 34 20 x 40½ 3 0— 5	29— 0— 9— 35½ 26— 41+ 43½ 34+ 45½ 17 35— 31 8½ 2— 43½	$\odot$ 2d L. Capella. Rigel. α Orionis. Sirius. Castor. Procyon. Pollux. Regulus. 7 Leonis. δ 1st L. 10 ^h 58' 22", 8 mean time. α Lyræ. α Aquilæ. α Cygni.
12.	27 43+ 30+ 34— 55 x 7+ 56 2 43+	Clouds 10+ 12½ 35+ 45½ 36 23	23 Clouds 4 22 50½ 5 42 51½ 6 35 15+ 7 19 55: 27 24½ 31 16+ 9 56 16— 11 4 3+	31 49— 31— 41+ 56	32 27 10½ 9+ 36— 42— 44 34½ 5 23—	$\odot$ 1st L. $\odot$ 2d L. Aldebaran. α Orionis. Sirius. Castor. Procyon. Pollux. Regulus. δ 1st L. 11 ^h 42' 8", 4 mean time.
13.	30½ 34+ 55½ 49 50 56½ 27	10½ 3— 13— 35½ 46 33 6—	4 22 51— 5 3 42— 42 52— 6 35 16— 7 27 25 31 16½ 11 52 15½ 19 39 45	31— 21 31— 56 4— 1— 55 24	11— 0— 9½ 36 36 42 44+ 53 34+ 3—	Aldebaran. Rigel. α Orionis. Sirius. Procyon. Pollux. δ 2d L. 12 ^h 26' 16", 6 mean time. α Aquilæ.

In MARCH MDCCCLIX.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
15.	31½: 35 56+	11+ 14- 36+	4 22 51½ 59 40-: 5 42 53- 6 35 17- 7 19 56½	32- 32- 57+ 42	11+ 10+ 37:	Aldebaran. Capella. α Orionis. Sirius. Castor.
16.	32 25+ 36- 9 4 5 6 22½	12- 4 14 47+ 34- 46	4 22 52 59 40½ 5 3 43+ 42 53 7 27 26 28 4+ 31 18- 14 5 27+ 7 42	32+ 36- 22½ 32+ 2 22	12- 31- 1 11- 43 21½ 45½ 9 1½	Aldebaran. Capella. Rigel. α Orionis. Procyon. Small *. Pollux. Arcturus. D 2d L. 14h 29' 31", 6 mean time.
17.	21 32+ 26- 9 47+ 53 2-	22 12+ 45+ 4+ 11+ 34+	4 22 52+ 59 41- 5 3 44- 7 19 57 27 26½ 28 4½ 31 18+ 14 54 22½	33- 30+ 23- 43 2+ 55 3	12½ 31- 1+ 28+ 44- 22 46- 55 43	Aldebaran. Capella. Rigel. Castor. Procyon. Small *. Pollux. D 2d L. 15h 12' 8", 2 mean time.
18.	50 16+		23 0 51 34-	53 45	23+ 52 51:	☉ 2d L. Venus's Center. 1h 7' 42" mean time.
20.	2 26½ 47- 58+	5: 15+ 34 38+	4 59 41½: 5 42 54+ 6 35 18+	33+ 59	12- 39-	Capella. Rigel. α Orionis. Sirius.
21.	37 10+ 48½	16- 35+	5 42 55- 7 19 58+ 27 27½ 28 6- 31 19½	34- 44 3½	12+ 29+ 45 23+ 47½	α Orionis. Castor. Procyon. Small * near Procyon. Pollux.
22.	14½ 58½ 52 24 25-	53- 47- 38½ 49 35+ 25 7½	0 5 31+ 7 40+ 4 59 42+ 5 42 55 6 35 19- 7 27 28- 31 19½ 19 25 51 39 48½: 20 34 0	19 37½ 34- 59 7- 3½ 28-: 45½:	57½ 12+ 39- 45 47+ 27 17+ 6 47½:	☉ 1st L. ☉ 2d L. Capella. α Orionis. Sirius. Procyon. Pollux. D 2d L. Hazy. 19h 23' 11", 2 mean time. α Aquilæ. α Cygni.
23.	53-	31- 39+	0 9 9½ 11 18½ 9 56 19+	57½ 9	36- 38½	☉ 1st L. ☉ 2d L. Regulus.
26.	39- 0+	17+ 40	5 42 56½ 6 35 20½	35½ 1-	14- 41-	α Orionis. Sirius.
27.	25½ 31 20+ 18 29 12+ 54	4 59+ 14½ 51 37+	0 23 43- 25 51+ 1 32 38+ 7 19 0+ 27 30- 31 22-	30+ 46+ 55½	9- 33 56½ 31½ 49	☉ 1st L. ☉ 2d L. Venus's Center. 1h 13' 14" mean time. Castor. Procyon. Pollux.
28.	21 36		4 22 56:			Aldebaran.
29.		9:	20 34 3+	57½	51	α Cygni.
30.	55+ 16	30 39 13 9½	0 34 38: 36 47 7 27 31+ 31 23- 19 39 52+ 20 34 4	26 7 31+ 58-	4+ 48½ 51- 10 51½	☉ 1st L. ☉ 2d L. Procyon. Pollux. α Aquilæ. α Cygni.
31.	59 37+ 41 34½	38- 17+ 19+ 52½ 13+	0 38 16+ 40 25 1 51 8 4 22 57+ 5 42 58½ 7 27 31+ 31 23- 19 39 52+	4- 37½ 37½ 10+ 7+ 2½ 31½	52 42× 27- 17 16 50+ 41+ 10	☉ 1st L. ☉ 2d L. Venus's Center. 1h 15' 55", 3 mean time. Aldebaran. α Orionis. Procyon. Pollux. Regulus. α Aquilæ.

In APRIL MDCCCLIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
○ APRIL 1.	37	15+ 21 33½ 43+	0 41 55- 44 3½ 4 56 23 20 34 5-	42+ 3- 59-	21- 42- 52×	○ 1st L. ○ 2d L. ▷ 1st L. <i>Regulus.</i> <i>α Cygni.</i>
▷	2. 44 15+ 59 8+ 21 38- 8- 15- 56	54 47+ 18- 21 50 17- 53+ 40- 11-	0 45 33 47 42 2 0 27- 4 22 58- 5 22 33- 42 59 6 35 23 7 20 3- 27 32 31 24- 20 34 5	20: : 38 4- 49- 11 8- 59	46- 18- 23 57½ 43½ 34- 49½ 51½ 53-	○ 1st L. ○ 2d L. <i>Venus's Center.</i> 1 ^h 17' 20" mean time. <i>Aldebaran.</i> ▷ 1st L. 4 ^h 38' 51",9 mean time. <i>α Orionis.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>α Cygni.</i>
δ	3. 54+ 38+ 41 42 20 58- 3+ 57-	32½ 18 20½ 40 43+ 54- 40	0 49 11½ 51 20+ 4 22 58+ 5 43 0- 6 22 23+ 35 23½ 7 27 33- 31 24+	59½ 38½ 39- 11½ 8½	38 18+ 17 23 49: 44- 50- 52-	○ 1st L. ○ 2d L. <i>Aldebaran.</i> <i>α Orionis.</i> ▷ 1st L. v. Hazy. 5 ^h 34' 35" mean time. <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i>
δ	4. 19 23:		7 20 49-			▷ 1st L. 6 ^h 28' 55",6 mean time.
▷	5. 55 12 15 33 5+	50½ 16 15+ 45×	0 56 29+ 58 38+ 8 16 58- 9 56 25-	18- 4½	18 56+ 22½ 44-	○ 1st L. ○ 2d L. ▷ 1st L. 7 ^h 20' 58",9 mean time. <i>Regulus.</i>
δ	6.	45½	9 56 25	5-	45-:	<i>Regulus.</i>
▷	7. 2 30½ 4 40	3 9 5 18½ 17 3 25 8½	1 3 48 5 57½ 7 27 34½ 8 17 44- 25 47+ 32 58 34 54 9 56 26- 10 1 3-	4 27½ 6 37- 13+ 25- 26+ 30 54+ 33+ 5½ 44	5 6- 7 15 52- 52- 2 25- 3 30	○ 1st L. ○ 2d L. <i>Procyon.</i> <i>δ Cancri.</i> <i>δ Hydræ.</i> <i>γ } Cancri.</i> <i>ε Hydræ.</i> <i>Regulus.</i> ▷ 1st L. 8 ^h 56' 54",5 mean time. ▷ Center.
I examined the line of collimation and level, and found all right.						
▷	9. 9 49+	28-	1 11 7 13 16	55+	34: :	○ 1st L. ○ 2d L.
δ	10. 0- 6+ 18+ 0- 19 35	57 43½ 47×	4 45: 6 35 27- 7 27 36- 31 28- 9 56 27 12 20 53½	0 45: 7: 15- 11: : 6½ 21 33½	40 47+ 53 55 46- 22 12½	<i>Capella.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Regulus.</i> ▷ 1st L. 11 ^h 4' 33",3 mean time.
▷	12. 20 50 9 11+ 51 37 16+	48×	1 56 28 9 13 30- 13 52 56 14 5 38½	8- 9 36	47 48- 54 15+ 1-	○ 1st L. <i>Regulus.</i> <i>Spica Virginis.</i> ▷ 2d L. 12 ^h 28' 27",4 mean time. <i>Arcturus.</i>
δ	13. 24 31- 18 37-: 26 20- 1+ 12- 37 55-	25 10- 27 19½ 58+ 45- 51- 14 39 15	1 25 49 27 59- 7 20 7½: 27 37 31 29- 13 13 30 14 39 15	26 28½ 28 38 16 13- 9+ 55+	27 7 29 17- 54½ 56½ 48+ 40 35+	○ 1st L. ○ 2d L. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Spica Virginis.</i> ▷ 2d L. 13 ^h 10' 42",8 mean time.
▷	14. 26 0½ 32 23-	17: :	15 27 22+ 20	3½	28 44	▷ 2d L. 13 ^h 54' 45",1 mean time. <i>α Cygni.</i>
○	15. 16 27½ 28 7 23		16 17 51 24 53½ 37 30× 43 36- 47 15 18 29 45× 20 34 11-	18 33+ 35- 35 5	19 14½ 24- 59-	▷ 2d L. 14 ^h 41' 10",1 mean time. ξ } 20 } <i>Ophiuchi.</i> ι } κ } <i>α Lyræ.</i> <i>α Cygni.</i>

In APRIL MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
16.	35 35— 44½	36 14 38 23½ 49+	1 36 53 39 3 9 56 29	37 2+ 9—	38 11+ 40 21½ 48	☉ 1st L. ☉ 2d L. <i>Regulus.</i>
17.	30 2 10 5 22+ 7— 42—	46— 49+ 56 20+	7 31 30— 9 56 29 18 6 48+ 29 45+ 19 39 59½ 20 34 11	14— 9— 32+ 35— 38½ 5+	8 48 15 24 17+ 59	<i>Pollux.</i> <i>Regulus.</i> ☉ 2d L. 16 ^h 21' 57", 7 mean time. <i>α Lyræ.</i> <i>α Aquilæ.</i> <i>α Cygni.</i>
18.	21— 2 3 19 42—	59 46— 20½	1 46 27½ 7 27 38 31 30— 19 4 46— 39 59½	47 7 17— 14— 5 29+ 40 39—	47 46— 55+ 57+ 6 12 17	☉ 2d L. <i>Procyon.</i> <i>Pollux.</i> ☉ 2d L. 17 ^h 15' 49" mean time. <i>α Aquilæ.</i>
19.		17+	20 34 11+	4 45 5½	5 28— 59	☉ 2 L. <i>α Cygni.</i>
20.	50 24 2 12½	51 3½	1 21 3 36½	4 20:	2:	☉ 1st L. ☉ 2d L. very hazy.
21.	54 8 13+ 4 18+	47 52× 59×	1 55 26½ 57 37+ 13 13 31½ 14 5 40½	58 17— 11 22—	49½ 3—	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i>
22.	57 52× 0 2½	58 31½ 0 42+	1 59 11 2 1 22—	2 51— 1+	30— 40½	☉ 1st L. ☉ 2d L.
23.	37 19	16— 0 22+	2 2 55: 5 6+ 14 1 5— 5 41 9 22 19 40 1+	46+ 23— 41—	25½ 3 19—	☉ 1st L. ☉ 2d L. <i>α Virginis.</i> <i>Arcturus.</i> 20 <i>Bootis.</i> <i>α Aquilæ.</i>
24.	5 21½ 32½ 25	6 1 8 12— 22 25 19—	2 6 41— 8 52— 4 23 5+ 20 34 13	9 20½: 31½ 46— 7+	10 10½: 1—	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>α Cygni.</i>
25.	9 7+ 11 18+ 50 42+ 45+ 39 49 10 22× 4—	47— 57½ 51 23 25+ 58½ 17½ 28— 50+ 1— 47+	2 10 26+ 12 37+ 3 52 4½ 4 23 6— 59 54— 5 3 57— 43 7— 6 35 31— 7 27 39½ 31 31+	11 6× 13 17 46× 46— 49 35½ 46— 36 11— 19— 15+	45½ 56½ 53 27+ 26— 44— 14½ 24+ 52— 57— 59×	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> 1 ^h 38' 6", 3 mean time. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i>
28.	20 27	7—	2 21 46½: 23 59— 1	38 3 34	18:	☉ 1st L. { Hazy. ☉ 2d L. { <i>Pole *</i> ; above.
Set at 2° 3½, then it is a little above the Wire.						
29.	15 47+ 5½ 41 51	54— 27+ 0½ 19½ 30—	2 25 34 27 46× 4 23 8— 59 56— 5 3 59— 43 9—	26— 51× 38— 48—	24 5½ 28— 46— 26+	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
30.	3 48 51+ 29	23 28— 20 30 55 12— 50—	2 29 23— 31 35— 4 23 8 59 56 5 3 59 43 9 55 55 7 27 42 31 34— 0 44 57	15— 48+ 52— 38 48 18	54+ 28 57 20½	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> ☉ 1st L. 3 ^h 21' 52", 9 mean time. <i>Procyon.</i> <i>Pollux.</i> <i>Pole *</i> ; above.
Wound up the Clock, and put it back one minute.						
MAY 1.	52— 20 17½ 4+ 40—	31× 20 59 18+	2 32 11+: 34 23+: 3 4 21 41+ 58 54 5 2 57+	4— 49 10	43— 49 51½ 5—	☉ 1st L. ☉ 2d L. <i>Mercury.</i> Very faint. <i>Venus.</i> 1 ^h 45' 0", 3 mean time. <i>Capella.</i> <i>Rigel.</i>

In MAY M DCC LXI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
1.	54 36- 25 23 12½ 19 35-	55 18½ 1½ 52- 20 19 52 2- I 35+	5 42 7½ 6 34 31+ 56 2- 7 26 40+ 30 32 9 55 32- 11 21 3+ 13 52 45- 59 3½ 14 4 42½ 9 18½ 14 10	12+ 11½ 24	Windy 57 28- 58- 0- 51- 22 32+	α Orionis. Syrius. D 1st L. 4 ^h 18' 55", 4 mean time. Procyon. Pollux. Regulus. ξ Hydræ et Crateris. π } Hydræ Contin. σ } Arcturus. 7 } Hydræ Contin. 8 }
2.	34 39- 11½ 5 5 53 28- 29 34- 16	19- 0- 18½: 29- 51+ 2- 48½ 54 10 10+ 13+ 13 55-	2 35 59- 38 11- 4 58 55- 5 2 58- 42 8- 6 34 31½ 7 26 41- 30 32½ 54 53 41 45 53 47 59 52- 11 12 54- 13 5 55 12 34 0 44 0	51+ 50½ 37 47- 12+ 20- 17- 13+	31 45 15½ 52: 58 0 56 18 43 6½ 15- 14 7 17½ 52	⊙ 1st L. ⊙ 2d L. Capella. Rigel. α Orionis. Syrius. Procyon. Pollux. D 1st L. 5 ^h 13' 39", 6 mean time. 3b } x } Hydræ et Crateris. β } γ } Hydræ Contin. Spica Virginis. Pole *; above.
3.	29- 49 14-	8½ 49- 49 56-	2 39 49- 42 1 7 30 33- 8 50 38- 9 55 33-	41+ 17 12	21 0½ 2- 51½	⊙ 1st L. ⊙ 2d L. Pollux. D 1st L. 6 ^h 5' 20" mean time. Regulus.
5.		3x 50	7 26 42+ 30 34+:	21+	59½	Procyon. Pollux.
6.	1+ 46 14- 18 12	41+ 46 56- 18 52-	2 51 21½ 53 35- 4 22 9 47 38 11 19 32-	15- 59 52	55- 20 51x	⊙ 1st L. ⊙ 2d L. Aldebaran. Venus's Center. 1 ^h 51' 9", 5 mean time. Capella. D 1st L. 8 ^h 21' 59", 8 mean time.
7.	53+	33+	2 55 14- 57 27- 9 55 35-	7+	47+	⊙ 1st L. ⊙ 2d L. Regulus.
8.	48 28 24-	49 7 5-	12 43 55: 49 46½ 14 4 46	27x	8	Pole *; below. D 1st L. 9 ^h 44' 7", 2 mean time. Arcturus.
9.	19 33 22½	58+ 34 1½	13 12 37½ 34 41½		56- 36 0x	Spica Virginis. D 1st L. 10 ^h 24' 58", 5 mean time.
10.	32 3 25 19 15 31½	6- 19 55- 25	3 6 53½ 9 7 14 4 47 20 35 20 33 19:	28x 14-:	9x 21 55- 7-	⊙ 1st L. ⊙ 2d L. Arcturus. D 1st L. 11 ^h 6' 48", 2 mean time. α Cygni.
11.	9 27	7	3 0 44 5			⊙ 1st L. Pole *; above.
12.		56	6 34 36½	17-	57-	Syrius.
13.			12 44 7			Pole *; below.
14.	29- 10	35- 7½ 54-	3 24 48 5 42 14- 7 26 46+ 30 38	53- 25+ 22	9+ 4- 6-	⊙ 2d L. α Orionis. Procyon. Pollux.
15.	17 44 43+ 51+	5½ 30	3 28 55+ 46 10+ 39 9x	29 25½ 45+ 54x 48+	6+ 33½ 47 37+ 27-	⊙ 2d L. α Lyrae. D 2d L. 15 ^h 11' 58", 2 mean time. α Aquilæ.
16.	6- 10½:	46+ 33- 6- 25-	3 30 28- 32 42- 4 22 13 59 1 5 3 4-	23 53 57- 43	3½ 33-	⊙ 1st L. ⊙ 2d L. Aldebaran. Capella. Rigel.

In M A Y M D C C L I X.

DAY of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
16.	38 50½ 29 52—	39 33× 30½ 18:.	5 40 16— 42 14— 7 26 47— 30 38½ 12 44 8 19 39 9½ 0 44 10	53— 26— 22½ 39 49—	41— 31½ 4 6— 27+ 27:.	<i>Venus's Center.</i> 2 ^h 4' 19" mean time. <i>α Orionis.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Pole *</i> ; below. <i>α Aquilæ.</i> <i>2d L.</i> <i>Pole *</i> ; above.
17.	33 3+ 11 42 30½	6— 27×	3 4 59 1× 6 34 38— 12 44 10 20 33 21½ 43 56—	37 21 57— 18 16— 39—	1½ 51+ 58 9× 21+	☉ 1st L. ☉ 2d L. <i>Capella.</i> <i>Syrus.</i> <i>Pole *</i> ; below. <i>α Cygni.</i> <i>2d L.</i> 17 ^h 1' 32".3 mean time.
18.	40 42	59— 6—	9 55 38½ 16 59 1+ 21 42 5½	18 56½ 47×	57× 52— 43 29	<i>Regulus.</i> <i>Capella</i> ; below. <i>2d L.</i> 17 ^h 55' 36".9 mean time.
19.	0 11× 22+	41— 6 55 1	3 42 21½ 44 36½ 4 59 2— 7 26 47 30 39— 9 55 38½ 12 44 9 13 12 40+ 0 44 10	18— 57— 26 23— 18×	58½ 4½ 6+ 57+ 58½	☉ 1st L. ☉ 2d L. <i>Capella.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Regulus.</i> <i>Pole *</i> ; below. <i>Spica Virginis.</i> <i>Pole *</i> ; above.
20.	59+	40—	3 46 21+ 48 36+ 5 42 15—	17½ 54—	58× 32—	☉ 1st L. ☉ 2d L. <i>α Orionis.</i>
21.	58+ 57 30 11½	39+ 35½ 8½ 55 4 12½	3 50 20½ 52 36— 5 42 15— 7 26 47½ 30 39 14 4 50—	17 54— 26+ 23 5 35	58+ 32 5— 7— 12—	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Arcturus.</i> <i>Small *</i> near <i>Arcturus.</i>
23.	57 0	41—	3 58 22½ 0 38— 4 59 2½	19+	0	☉ 1st L. ☉ 2d L. <i>Capella.</i>
24.	23×	2×	12 44 14 13 12 41½	21—	0—	<i>Pole *</i> ; below. <i>Spica Virginis.</i>
25.	5 4— 29	45— 4 14	4 8 42× 14 4 51	23 36½	5— 13+	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Small *</i> .
26.	7—	9 48—	4 10 29			☉ 1st L.
27.		51— 0	4 14 32 16 48½ 5 42 17— 6 34 40+ 7 26 49×	30 55½ 21— 28 31 25—	11+ 34 9—	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i> { Hazy. Faint.
31.	27—	8	4 30 50— 33 7—	48+	30—	☉ 1st L. ☉ 2d L.
JUNE 1.	31+	4 16+	14 4 54—	5 39	16—	<i>Arcturus.</i> <i>Small *</i> .
2.	38 20× 2— 0 55— 32+	40× 1 34½ 6 4 17	4 41 19— 5 42 19× 11 2 15— 12 44 22: 13 12 45½ 14 4 54+	42 0½ 58 55+ 25— 40—	42 42 37— 3 35 4— 17—	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>2d L.</i> 6 ^h 18' 27" mean time. <i>Pole *</i> ; below. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Small *</i> .
4.	32 16— 28½ 33×	32 55 7+ 14+	12 33 44½ 13 12 47— 14 4 55+	34 14 26— 37—	53½ 5— 18—	<i>2d L.</i> 7 ^h 41' 38".7 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i>
6.	2 19—		12 44 26 14 3 38+	4 19½	6 58 19×	<i>Pole *</i> ; below. <i>2d L.</i> 9 ^h 3' 34".7 mean time. <i>Arcturus.</i>

In JUNE MDCCCLIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
6.		28 15—	18			α Lyræ.
7.	30 35 49 11— 0+	9 16— 51— 39	13 12 48+ 14 4 57+ 50 31+ 19 39 18+	27½ 38½ 12 57	6½ 19+ 52+	Spica Virginis. Arcturus. D 1st L. 9 ^h 46' 22", 5 mean time. α Aquilæ.
8.	2 22 4 39½ 30½ 35½ 38 20½ 32½ 2+ 1 55::	3 3½ 5 21 12 9+ 16+ 39 1½ 15— 42 58 15 2 33+	5 3 45½ 6 3 12 44 28 13 12 49— 14 4 58— 15 39 43 16 14 58 4 59 10 5 3 12:	4 28 45 13 28 39 40 24½ 41 23 2½ 0 5+	5 9½ 7 26½ 7— 20+ 41 6— 23× 42 1 0 4 31:	☉ 1st L. ☉ 2d L. Pole *; below. Spica Virginis. Arcturus. D 1st L. 10 ^h 31' 30", 7 mean time. Antares. Aldebaran. Capella. Rigel.
9.	6 30— 8 47½ 38+ 19½ 31 30 23 19½ 20½	7 11½ 9 29 44× 16½ 3½ 7 10— 15+ 31 5— 15— 15+	5 7 54— 10 11 42 23+ 6 34 47— 7 26 56— 30 47+ 9 55 47— 12 44 27 13 12 49 16 14 59— 31 47+ 59 10 4 59 10½	8 36— 53+ 2+ 27 35— 31+ 27— 28½ 5× 6	9 7½ 11 35— 7— 13— 15— 6— 7+ 24— 11½ 0½ 1—	☉ 1st L. ☉ 2d L. α Orionis. Sirius. Procyon. Pollux. Regulus. Pole *; below. Spica Virginis. Antares. D 1st L. 11 ^h 19' 30", 2 mean time. Capella; below. Capella; above.
10.	10 38 6+	20 45— 43+	5 12 2 14 20— 42 24— 4 22 23+	2— 3 4—	43+ 41½ 43+	☉ 1st L. ☉ 2d L. α Orionis. Aldebaran.
11.	14 47 16 5 34 58 16×	15 29 16 46½ 14 17— 44—	5 16 11× 16 18 29— 4 22 24 5 3 14½	53 54—	17 35 19 52½ 2— 32+	☉ 1st L. ☉ 2d L. Antares. Aldebaran. Capella. Rigel.
12.	56×	38— 34 8	5 20 20— 6 34 48+:			☉ 1st L. Sirius.
13.	35 4—	26 5— 17½ 42½	5 24 29½ 26 47 13 16 15 0+ 19 39 21+	25 11½ 27 29 13 30½ 43+ 0+	28 53½ 11— 9+ 26— 39+	☉ 1st L. ☉ 2d L. Spica Virginis. Antares. α Aquilæ.
14.	38× 35+ 23 40½	56+ 47 19 18	5 28 38+ 30 56+ 42 26— 6 34 49 12 44 31 14 5 0+ 16 15 1— 21 25 4½ 0 44 40 4	31 38+ 5— 5 42— 43½ 47 5+	20 43½ 22½ 26+ 26 29— 45	☉ 1st L. ☉ 2d L. α Orionis. Sirius. Pole *; below. Arcturus. Antares. D 2d L. 15 ^h 52' 17", 5 mean time. Pole *; above. Aldebaran.
15.	31 24: 33 41½	32 6 34 23½	5 32 48 35 5½ 4 59 14—	48	34 12 36 30—	☉ 1st L. ☉ 2d L. Capella.
16.	35 33½ 37 51½ 39 24	36 15½ 38 33 20— 45½: 19	5 36 57½ 39 15½ 7 26 59— 12 44 32 14 5 1× 4 22 26 59 14 44 43	37 39½ 57½ 38— 42½ 6: 10—	38 21½ 40 39½ 16 23½ 46: 4+	☉ 1st L. ☉ 2d L. Procyon. Pole *; below. Arcturus. Aldebaran. Hazy. Capella.
17.	39 43 42 1 11 7+	40 25 43	5 41 7 43 25 6 34 51: 0 12 27— 44 43	49 44 7+ 13 7—	42 31 49 46—	☉ 1st L. ☉ 2d L. Sirius. D 2d L. 18 ^h 27' 23", 3 mean time. Pole *; above.

The Instrument was found to point too much West.

New set the mark.

In JUNE MDCCCLIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
D 18.		13½	13 12 53- 14 5 2- 16 59 14+ 0 44 44 4 59 15	32 9½ 10+	11- 24- 4½ 5-	<i>Spica Virginis.</i> <i>Arcturus.</i> <i>Capella</i> ; below. <i>Pole</i> *; above. <i>Capella.</i>
δ 19.	2½ 35 40	44½ 11 14- 21 20 38½	5 49 27- 51 45- 9 55 51 12 44 38 13 12 53 14 5 2+ 4 59 15½ 5 3 18- 42 28-	27 31- 32+ 43½ 10½ 57- 6+	9- 11+ 24 35½ 45	☉ 1st L. ☉ 2d L. <i>Regulus.</i> <i>Pole</i> *; below. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
♀ 20.	52 13- 54 31 25- 38 21+ 40½ 25-	54½ 13- 21½ 8 2+ 15+ 21+ 20 49	5 53 37 55 55 6 7 27 0 30 52 8 39 44- 13 12 53½ 14 5 3- 16 59 15+ 5	54 19 56 37 31½ 39- 36 33- 44 11-	55 1 57 19 11½ 18- 19½ 6- 12- 25- 5+ 46-	☉ 1st L. ☉ 2d L. <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Venus's Center.</i> 2 ^h 45' 24", 1 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Capella</i> ; below. <i>α Orionis.</i>
♂ 21.	56 23 41-	57 5- 59 23-	5 57 47- 6 0 4½ 13 12 54 0 44 49 4 59 16	29 47 33+ 12-	59 11 1 29 6+	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Pole</i> *; above. <i>Capella.</i>
♀ 22.	0 33 2 51-	1 15- 3 33-	6 1 57	2 39×	3 21	☉ 1st L. ☉ 2d L.
♂ 23.	9-	49- 40+	4 22 29 5 3 19+	9	49	<i>Aldebaran.</i> <i>Rigel.</i>
☉ 24.	8 53- 3 42- 7+ With the six foot Reflector at 21 ^h 1' 27" by this Clock, the 2d Satellite of Jupiter immersed. Apparent Time 14 ^h 47' 26".	34+ 4 23- 46+ 39 25+ 19	6 10 17- 14 5 4 19 39 25+ 19	45+ 39 4+ 43+	6 26+ 43+	☉ 1st L. <i>Arcturus.</i> <i>Jupiter's Center.</i> <i>α Aquilæ.</i>
D 25.		21½	16 15 5-	48-	30	<i>Antares.</i>
δ 26.			14 5 5-	46-	27-	<i>Arcturus.</i>
♀ 27.	21 22 23 39½	22 4- 24 21½	6 22 46 25 3½	23 28 46	24 10 26 27½	☉ 1st L. ☉ 2d L.
♂ 28.	25 31½ 14	13× 14+ 52½	6 26 56- 29 13 34 55- 5 42 31½	55+ 35+ 10+	37 15+ 49	☉ 1st L. ☉ 2d L. <i>Syrus.</i> <i>α Orionis.</i>
♀ 29.	29 41 31 58½ 41+	30 23- 40½ 24- 58 24	6 31 5- 33 22½ 16 4 59 19½	47 5 34	32 29- 46½	☉ 1st L. ☉ 2d L. <i>Antares.</i> <i>Capella.</i>
♂ 30.	33 50× 36 8	34 32 15+	6 35 14 Clouds 9 55 55+	56× 13½ 35	55½ 14+	☉ 1st L. ☉ 2d L. <i>Regulus.</i>
D JULY 2.		26+	14 5 7½	49-	30-	<i>Arcturus.</i>
δ 3.	46 16½ 13+ 31+	46 58 15½ 53× 26+ 16+	6 47 40 49 57½ 4 22 33+ 59 21+ 5 3 24 6 34 57	22+ 39½ 13½ 17 3 37½	4- 21 53½ 12- 42- 17+	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Syrus.</i>
♀ 4.	50 24 52 42 46 11½ 44- 18 23- 12+	51 6- 53 23½ 27 51½ 26 4+ 51	6 51 48- 54 5½ 14 5 8½ 31 32- 16 15 9 19 19 46 39 30	52 30- 47½ 50- 12 52 9+	11½ 29 31- 52 34+ 21 9 43-	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> ☉ 1st L. 7 ^h 41' 6", 2 mean time. <i>Antares.</i> <i>Jupiter's Center.</i> 12 ^h 28' 33", 1 mean time. <i>α Aquilæ.</i>
♂ 5.	31+ 47 13+	13 47 53+	6 55 55× 58 12½ 9 48 33+	55-	36+ 49 53	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> 2 ^h 54' 58" mean time.

In JULY MDCC LIX.

DAY of the MONTH	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
4 5.	18 6	18 27+ 47- 26+	14 5 9- 15 19 28- 16 15 9+	50 52½	20 49× 34½	<i>Arcturus.</i> D 1st L. 8 ^h 24' 58", 1 mean time. <i>Antares.</i>
	17 50+ 12½	18 32 51× 54	19 19 14- 39 30+ 4 22 34	9½ 14+	20 37 48+ 54+	<i>Jupiter's Center.</i> 12 ^h 24' 5", 3 mean time. <i>α Aquilæ.</i> <i>Aldebaran.</i> Hazy, faint.
	57 33	58 27	59 22+	0 17½	12	<i>Capella.</i>
♀ 6.	58 39 56½	59 20½ 38+	7 0 2½ 2 20	4½ 3 2	26½ 43½	⊙ 1st L. ⊙ 2d L.
	51 36-	52 15½	9 52 56- 12 44 55		54 15	<i>Venus's Center.</i> 2 ^h 55' 25", 1 mean time. <i>Pole *</i> ; below. Faint.
		28-	14 5 9	50+		<i>Arcturus.</i>
	4 47½	5 26	16 6 5-	43½		<i>ε Ophiuchi.</i>
	8 47-	9 28½	10 10		11 34-	D 1st L. 9 ^h 11' 35", 9 mean time.
	44-	27-	15 10-	52¾	35	<i>Antares.</i>
	32	27-	16 59 22	17+	12-	<i>Capella</i> ; below.
With the six foot Reflector at 21 ^h 56' 42" by this Clock, the first Satellite of Jupiter immersed.						
Apparent Time 14 ^h 52' 58".						
	32+	27	4 59 22½	18-	54× 13-	<i>Aldebaran.</i> <i>Capella.</i>
		46	5 3 25	4	43-	<i>Rigel.</i>
	17+	56	6 42 35	14	53-	<i>α Orionis.</i>
			6 34 58+	39-	18½	<i>Syrus.</i>
7.	2 46½ 3+ 50+	3 28- 45 28½	7 4 9½ 6 27 27 7½	52 9 46½	5 34+ 50½ 25	⊙ 1st L. ⊙ 2d L. <i>Procyon.</i>
			31 0-:		27:	<i>Pollux.</i>
	55 57	56 36+	9 57 16+ 12 44 59		58 36	<i>Venus's Center.</i> 2 ^h 55' 46", 5 mean time. <i>Pole *</i> ; below.
	42+:	21	13 13 0+			<i>Spica Virginis.</i>
	47+	28	14 5 9½	51-	32-	<i>Arcturus.</i>
	44½	27	16 15 10×	53+		<i>Antares.</i>
	2 43-	3 25	17 4 8	51-	5 33½	D 1st L. 10 ^h 1' 28", 6 mean time.
	15-	55-	4 22 35	15+	55	<i>Aldebaran.</i>
		28-	5 59 23	18½	13×	<i>Capella.</i>
	8-	46½	5 3 26-	5-	43+	<i>Rigel.</i>
	39-	18½	6 34 59-	39	19	<i>Syrus.</i>
⊙ 8.	53-	34×	7 8 16 10 33+ 16 15 11-	15 54- 2 2+	56½ 36-	⊙ 1st L. ⊙ 2d L. <i>Antares.</i>
	59 52 16 13 14- 33 8	0 35 16 54+ 52½ 28+ 47- 41 57	18 1 19- 19 17 36½ 39 31+ 4 59 23½ 5 3 26 42 36-	2 11- 19- 5- 15-	59½ 49½ 13½ 44- 53½	D 1st L. 10 ^h 54' 33", 6 mean time. <i>Jupiter's Center.</i> 12 ^h 10' 38", 6 mean time. <i>α Aquilæ.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
9.	9 59 16	57½	7 12 22½ 14 39½ 14 5 10+	5- 21+	16 3-	⊙ 1st L. ⊙ 2d L. <i>Arcturus.</i>
	45+	28×	16 15 11	54-	36½	<i>Antares.</i>
	59 33½	0 17-	19 1 0½ 3 22½	44: 6½	27 50-	D 1st L. } Cent. 11 ^h 51' 20", 2 mean time. D 2d L. }
	15 40½	16 22	17 4- 39 32	46 11-	18 27: 50-	<i>Jupiter's Center.</i> 12 ^h 6' 10" mean time.
	14+	53	4 22 36	16	56-	<i>α Aquilæ.</i>
	16-	56-	5 59 24	19½		<i>Aldebaran.</i> <i>Capella.</i>
δ 10.	15 5 22	46½ 3+	7 16 28½ 18 45	10+ 19 27	52- 20 8½	⊙ 1st L. ⊙ 2d L.
	2 51½		20 4 18-	1×	5 44	D 2d L. 12 ^h 49' 19", 5 mean time.
	21 16		4 22 36:	16½	56+	<i>Aldebaran.</i> Windy.
	34+	29	59 24½	20-	15-	<i>Capella.</i>
	41 19×	58-	5			<i>α Orionis.</i>
8 11.	19 10½ 21 27	52 8½	7 20 34- 22 50½	21 16-		⊙ 1st L. ⊙ 2d L.
	44+	23-	13 13 2-	41		<i>Spica Virginis.</i>
	46	28½	16 15 11½	54½	37	<i>Antares.</i>
	14 35	15 16+ 54-	19 15 58+ 39 33-	12-	17 22-	<i>Jupiter's Center.</i> 11 ^h 57' 12" mean time.
	3 27+	21 56×	21 4 52	5 35	6 17- 56½	<i>α Aquilæ.</i> D 2d L. 13 ^h 45' 47", 9 mean time. <i>Aldebaran.</i>
4 12	46+	29-	16 15 12-	55-	37+	<i>Antares.</i>
With the six foot Reflector at 19 ^h 31' 12" by this Clock, the second Satellite of Jupiter emerged.						
Apparent Time 12 ^h 3' 22".						

In JULY MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
12.	2 34		22 3 57- 4 22 36½:	38- 17	5 19 × 57-	☽ 2d L. 14 ⁿ 40' 46",9 mean time. <i>Aldebaran.</i> Hazy.
13.	27 20 29 36+ 47- 59 41- 10 54 17 35 10- 20	28 1 30 17½ 23 29+ 11 33- 57 30- 49 59-	7 28 43 13 13 2+ 16 15 12 23 1 1½ 12 11+ 4 22 37 59 25 5 3 28- 42 37½	29 25- 41½ 55 42 17+ 20½ 6½ 17-	30 6+ 20+ 38- 2 22+ 13 29 57- 16- 45 55+	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Antares.</i> ☽ 2d L. 15 ⁿ 33' 46",1 mean time. <i>Saturn's Center.</i> 15 ⁿ 44' 53",9 mean time. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
14.	24- 44+ 49½ 54 59 21 17+ 57 35 41 20	5- 23½ 30½ 29+ 55 38½ 57- 58 30 58½ 34 20½	7 32 47- 35 3 13 13 3- 14 5 12- 16 15 12+ 23 56 18½ 4 22 37+ 59 25 × 5 42 37½ 6 35 1	44+ 42- 53 55+ 59- 23 17+ 0 20½ 43 17- 41	26- 21- 34- 57 38 × 57½ 15½ 55½ 36 21+	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> ☽ 2d L. 16 ⁿ 24' 57",9 mean time. <i>Aldebaran.</i> <i>Capella.</i> <i>α Orionis.</i> <i>Syrus.</i>
15.	35 27 49 11+	36 8+ 0	7 36 50 39 6+ 0	48 51 10::	40 29+ 51 49:	☉ 1st L. ☉ 2d L. With the six foot Reflector at 21 ⁿ 11' 48" by this Clock, the first Satellite of Jupiter emerged, apparent Time 13 ⁿ 31' 36"; hazy Clouds flying before Jupiter during the Observation. ☽ 2d L. 17 ⁿ 15' 4",3 mean time.
16.	39 30½ 46+ 50 47	40 11½ 42 27½ 30- 21+	7 40 53 43 9 14 5 12 16 15 13- 6 35 1+	41 34½ 50½ 53+ 56- 42-	42 15½ 44 31½ 34 38	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Antares.</i> <i>Syrus.</i>
17.	43 33- 3 50 × 38 10	44 14 31 30- 50 21½	7 44 56-: 14 5 12+ 16 15 13- 2 39 30+ 6 35 1½	45 37 53½ 56- 40 11- 42-	48 34:: 34+ 38+ 51- 21½	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Antares.</i> ☽ 2d L. 18 ⁿ 55' 54",8 mean time. <i>Syrus.</i>
18.	47 35- 50½ 50+ 34 44 18+ 36 21 42-	48 16 31½ 31+ 30 × 35 25 58 31 50- 0- 21+	7 48 57½ 51 13+ 13 13 3+ 14 5 12½ 16 15 13 3 36 6½ 4 22 38+ 59 26½ 5 3 29- 42 38½ 6 35 2- 7 27 11	49 39 51 55 54- 56- 48- 18+ 18- 42½ 50-	50 20 52 36 34½ 37 28½ 58+ 46+ 22½ 28½	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> ☽ 2d L. 19 ⁿ 48' 25",3 mean time. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i>
19.	51 36½ 51 46 9½ 45+ 50+ 48- 10 15: 21 18½ 33 23½ 36	52 17+ 33- 46 48 × 24 × 31+ 30 10 57 58½ 34 5 31+	7 52 59 55 14+ 10 47 27+ 13 13 3½ 14 5 13- 16 15 13+ 19 11 39 4 22 38½ 34 47 59 7- 5 3 29:	53 41½ 56 43- 54- 56 13 2½ 23 18½ 35 29	54 22½ 56 37 48 45+ 22- 35- 39- 13 2½ 58½ 36 11	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> 2 ⁿ 58' 35",4 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> <i>Jupiter's Center.</i> 11 ⁿ 21' 24",5 mean time. <i>Aldebaran.</i> ☽ 2d L. 20 ⁿ 43' 0" mean time. <i>Capella.</i> <i>Rigel.</i> Hazy.
20.	18½ 37 33 51 41 21 42-	58+ 31½ 34 33½ 42 0 22-	4 22 38½ 59 27 5 3 29 35 16½ 42 39:: 6 35 2	19- 22+ 8 59 42½	58½ 17- 47 36 42- 22½	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> ☽ 2d L. 21 ⁿ 39' 23",7 mean time. <i>α Orionis.</i> <i>Syrus.</i>
21.	59 38 53 48	0 19 34 31-	8 1 0 3 15½ 16 15 14-	42- 57- 56½	3- 37½ 39-	☉ 1st L. ☉ 2d L. <i>Antares.</i>

In JULY MDCCCLIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
h 21.	17+ 19 22-	9 53+ 56 58+ 0	19 10 35+ 39 35- 4 22 38½ 59 27+ 5 42 39	11 17½ 14 19 22½ 18	59- 53- 59- 17½ 57-	Jupiter's Center. 11 ^h 12' 28", 8 mean time. α Aquilæ. Aldebaran. Capella. α Orionis.
o 22.	3 37½ 53 8 41: 17+ 9 51- 12-	4 18½ 33½ 4 32- 9 22 10 29+ 32 50½ 22	8 5 0 7 15 14 5 13× 19 10 4+ 23 11 8 4 5 3 30- 6 35 3-	41+ 56+ 54½ 14+ 9- 43	22+ 8 37 11 27½ 12 26- 18: 47 23-	☉ 1st L. ☉ 2d L. Arcturus. Jupiter's Center. 11 ^h 8' 2" mean time. α Aquilæ. Saturn's Center. 15 ^h 8' 26", 2 mean time. Capella. Rigel. Sirius.
d 23.	37 2 8+ 18-	8 18- 2 47+ 56½	8 8 59+ 11 14+ 11 3 26+ 19 39 35½	55× 15-	36+ 4 44 53+	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 58' 47", 4 mean time. α Aquilæ.
δ 24.	11 36 51 3 51½ 43 18 20- 38 22½	12 17 32- 4 32½ 32- 51 1	8 12 58 15 13 13 13 4+ 14 5 14- 29 21+ 19 39 36- 4 22 40- 59 28 5 3 30+ 42 40	49½ 54 44- 55 11 15- 20 23½ 9× 19	20 16 35 23- 6 36- 0 53½ 0- 18 48 58-	☉ 1st L. ☉ 2d L. Spica Virginis. Faint. Arcturus. With the fix foot Reflector at 18 ^h 8' 44" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 9 ^h 52' 58". α Lyrae. α Aquilæ. Aldebaran. Capella. Rigel. α Orionis.
8 25.	15 34½ 49 11 47- 52- 38 13-	16 15 18 29½ 25½ 32½ 0- 33+ 52-	8 16 56½ 19 11- 13 13 5- 14 5 14- 4 22 40 59 28½ 5 3 30½	7½ 52× 44 55+ 20+ 24 10-	18 20 33 23 36- 0 19- 48½	☉ 1st L. ☉ 2d L. Spica Virginis. Arcturus. Aldebaran. Capella. Rigel.
u 26.	19 32½ 21 47 3 52 39- 13 23 33 44	20 13 22 27½ 33+ 52- 2- 24	8 20 54+ 14 4 59 29- 5 3 31 42 41-	21 35 24½ 10 20-	22 16 6 36+ 19 49- 58½	☉ 1st L. ☉ 2d L. Arcturus. Capella. Rigel. α Orionis. Sirius.
♀ 27.	29 50- 6 9+: 19 21- 39 13+ 23	10+ 32½ 6 51: 58 1- 34- 52+ 2	8 25 51- 14 5 15- 16 15 15+ 19 7 33 39 37 4 22 41- 59 29 5 3 31 42 41 7 27 13+	56- 58+ 16 21 24½ 10 20 52	41 56½ 55- 1- 19+ 49- 59- 31-	☉ 1st L. Arcturus. Antares. Jupiter's Center. 10 ^h 45' 49", 7 mean time. α Aquilæ. Aldebaran. Capella. Rigel. α Orionis. Procyon. The Pendulum now swings 2° 12'.
h 28.	40½	28 7- 20½	8 28 47½ 31 1½	28½ 42½	9 32 23	☉ 1st L. ☉ 2d L.
o 29.	This Clock was taken down and cleaned, and the Pendulum lengthened ½ of a Division. When it was put up again it was set 38" slower than it was before. The other Clocks were cleaned likewise, and set to agree with this.					
d 30.	8-	50+	16 14 23+	16+	59-	Antares.
δ 31.	56 4 53 58 3 28× 32½ 33½ 52-	46½ 48- 47- 4 10 11+ 13+ 46½	14 11 41½ 16 14 30- 58 43+ 18 28 36+ 19 4 51½ 38 51- 4 21 53½ 58 42-	12 21½ 15 12½ 38½ 26- 30+ 34- 37+	13 1+ 15 55- 33½ 15- 6 15+ 8½ 13½ 32 4 2-	☉ 1st L. 5 ^h 35' 48", 2 mean time. Antares. Capella; below. α Lyrae. Jupiter's Center. 10 ^h 28' 11", 1 mean time. α Aquilæ. Aldebaran. Capella. Rigel.
8 AUG. 1.	42 17	57½	8 43 38			☉ 1st L.

In AUGUST MDCC LIX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
8 1.	44 30 3 4- 56 55 13 1 30- 50x 48½	57 35½ 43½ 8½ 21 10 43 1½ 12-	8 14 4 26- 58 16x 16 14 26½ 19 38 47+ 4 21 50+ 58 38½ 5 2 40½ 41 50+	46 32 57- 15 9½ 26½ 22 30½ 34 20- 29+	48 12½ 59 37½ 52 5+ 23 10+ 29- 58½ 8	☉ 2d L. <i>Arcturus.</i> ☽ 1st L. 6 ^h 18' 22", 7 mean time. <i>Antares.</i> <i>α Aquilæ.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
14 2.	48 19½ 57½ 46+ 20 48 57 6+ 41 40 51	46 47 40 0+ 25+ 21 28 58 1 19½ 29½	8 47 27½ 14 4 22½ 16 14 23 18 28 50 19 39 4 4 22 8+ 58 57- 5 2 59- 42 9-	48 8- 5 4 6+ 39 43x 48½ 38- 47:	51 2- 44½ 48½ 28+ 22 23 28+ 16+ 26	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Antares.</i> <i>α Lyræ.</i> <i>α Aquilæ.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
24 3.	52 31 43 49 20- 17- 38 0- 27 11 46+	53 11 1- 0- 42 0 25-	8 11 Cloudy 13 12 33- 14 4 42- 16 14 42½ 39 24½ 18 28 50- 19 39 4-	52 19½ 54 32 12- 23 25½ 40 7 39- 43	59½ 12+ 46 23 51- 4 8x 49 28 40 21½	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> ☽ 1st L. 7 ^h 51' 6", 8 mean time. <i>α Lyræ.</i> <i>α Aquilæ.</i>
☉ 5.	46 48- 6 40x 50+ 11	32 25- 27½ 1- 19+ 29 51	18 28 49+ 33 12- 19 39 4- 4 22 8- 58 56½ 5 2 58+ 42 8 6 34 31+	38½ 55 43- 48 52- 37+ 47 12-	34 38+ 28- 46+ 16- 26- 52-	<i>α Lyræ.</i> ☽ 1st L. 9 ^h 36' 43", 4 mean time. <i>α Aquilæ.</i> <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i>
☽ 6.	1 41 4 3½	2 31	9 Cloudy	3 52 6 4½		☉ 1st L. ☉ 2d L.
☽ 7.	45 34 5½	10½ 24- 51 48-	19 34 50- 39 3- 43 30 20 35 31	29 32 44 9 36 14x	8- 21- 47+ 57-	<i>α Aquilæ.</i> ☽ 1st L. 11 ^h 30' 52", 1 mean time.
8 8.	11 41½ 2 10 0 13 45- 37 27 6 7	49 59 58 45 55- 23+ 6 46 28-	9 Cloudy 13 1½ 12 3 27½ 14 4 40½ 16 14 41 18 55 26½ 19 1 36½ 21 39 2½ 21 38 50½ 23 7 25- 5 42 7	11 30½ 22- 24- 8 41½ 33- 46	2+ 6½ 49 3 0 20+ 14½ 8 42½ 24½	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> <i>Arcturus.</i> <i>Antares.</i> <i>α Sagittarii.</i> <i>Jupiter's Center.</i> 9 ^h 53' 17", 4 mean time. <i>α Aquilæ.</i> ☽ 2d L. 12 ^h 30' 5", 72 mean time. <i>Saturn's Center.</i> 13 ^h 58' 25", 5 mean time. <i>α Orionis.</i>
14 9.	18 5 47 18- 44+ 36 48+ 5 53 4 39- 49 9½ 25 21 29 3-	58- 25 58½ 58- 23 32- 59x 27½ 49+ 0- 46	9 14 38 16 50+ 12 7 4 14 4 40- 16 14 41- 19 39 2 22 38 10+ 23 7 11- 4 58 54½ 5 2 57- 42 7- 6 34 29½ 7 26 38½ 30 30	30½ 21 24- 41 38 51+ 50 36- 45½ 10 27 18- 31 14x	10+ 8 21+ 2- 6 20- 39 32 8 28½ 45- 14+ 25- 50- 56 58-	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> 2 ^h 55' 58" mean time. <i>Arcturus.</i> <i>Antares.</i> <i>α Aquilæ.</i> ☽ 2d L. 13 ^h 25' 20", 2 mean time. <i>Saturn's Center.</i> 13 ^h 54' 16", 3 mean time. <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i>
24 10.	17 6+ 18+	46 58	9 18 26 20 38+	6½ 21 18+	46+	☉ 1st L. ☉ 2d L.

In AUGUST MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
10.	9 22+	10 1	12 10 39 13 12 30½ 14 4 39+	11 18½ 10-	47- 48+	Venus's Center. 2 ^h 55' 36", 3 mean time. Spica Virginis. Arcturus. α Aquilæ. 2d L. 14 ^h 18' 41", 2 mean time. Capella. Rigel. α Orionis. Sirius. Procyon. Pollux. Fluttered.
11.	20 53 5 43× Clouds	21 33- 45- 57+	9 22 13× 24 24½ 14 4 39- 16 14 39+ 19 39 1 31 30:::	25 53× 5 20 40 10+	33 45+ 1- 18½	☉ 1st L. ☉ 2d L. Arcturus. Antares. α Aquilæ. 2d L.
12.	25 20½ 37 7½	15½ 47½ 36½	1 4 22 5- 5 2 55- 6 34 28- 7 Hazy	45- 34 8	24½ 13- 48-	2d L. Aldebaran. Rigel. Sirius. Procyon.
13.	28 26 37 15 38½ 43½	29 5½ 31 16½ 56 23×	9 29 45½ 14 4 37+ 2 21 59- 4 22 4-	30 26- 19- 22 38½ 44-	31 5 59× 23 18+ 24-	☉ 1st L. ☉ 2d L. Arcturus. 2d L. 16 ^h 52' 51" mean time. Aldebaran.
15.	35 56½ 14 41 1- 35 17½	36 36- 15 22½ 21 22+ 56- 14- 24- 46- 56-	9 37 16- 4 16 4½ 22 22½ 58 51 5 2 53- 42 3- 6 34 26 7 26 35- 30 27-	46½ 43- 46× 32 42- 6+ 13+ 10½:	17 28 22½ 41 11- 20+ 46 52	☉ 1st L. 2d L. 18 ^h 38' 47", 6 mean time. Aldebaran. Capella. Rigel. α Orionis. Sirius. Procyon. Pollux. Mifty. Faint.
16.	39 40½ 51½ 30 29+ 10+ 0	40 20 31 7½ 54 53- 55	9 41 0 43 11 12 31 46+ 14 4 35+ 16 14 36- 58 50+	40 51 17- 19- 46-	19½ 44 30½ 33 4- 57+ 1+ 40½	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 53' 8", 5 mean time. Arcturus. Antares. Capella; below.
17.	27 4 38 48× 39× 6½ 14 9½ 4+	4+ 17½ 45 22+ 52+	18 34 43½ 19 38 56½ 43 24 5 42 1½ 6 15 35½ 34 24½	23: 36- 3- 40+ 16 19- 5	14+ 41+ 19- 1½ 44+	α Lyre. σ Sagittarii. γ } Aquilæ. α } β } α Orionis. 2d L. 20 ^h 30' 8", 9 mean time. Sirius.
18.	47 8 18½ 43 Hazy	47½ 7½ 22-	9 48 27× 50 37½ 5 42 1- 6	49 7 51 17½ 40- 35 4	47- 57 18+ 44½:	☉ 1st L. ☉ 2d L. α Orionis. Sirius.
19.	50 51-	30	9 52 10 54 20::			☉ 1st L. ☉ 2d L. Arcturus.
21.	58 15½ 36½ 4 39- 57+ 3+	5: 15+ 42½ 19- 52 10 42	9 59 34½ Cloudy 18 55 18 57 17 19 38 54+ 43 21× 4 21 59- 58 47+ 5 2 49 6 34 22: 7	54: 33+ 0 39 43- 28+	58 41 12- 38½ 19- 37½ 7 48+	☉ 1st L. ☉ 2d L. π Sagittarii. Jupiter's Center. 8 ^h 58' 1", 5 mean time. α } Aquilæ. β } Aldebaran. Capella. Rigel. Sirius. Procyon. Hazy.
22.	1 57½ 4 7	36:: 46½	10 3 16 5 26	56- 5½	4 35 45-	☉ 1st L. ☉ 2d L.

In AUGUST MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
22.	36	14+	19 38 54-	33-	11+	α Aquilæ.
23.	5 38½ 7 48+	6 18- 8 27½ 50- 38 14+:	10 6 57+ 9 7 14 4 31 19 38 53+	7 37 47- 12+ 32+	8 16 10 26-	☉ 1st L. ☉ 2d L. Arcturus. α Aquilæ.
24.	9 19½: 28½: 1- 12½: 28 54	41- 51	10 10 38½: 5 41 58- 6 34 21 7 26 30 30 22-:	42 37- 1+ 9-	43 15½ 41 47-:	☉ 1st L. ☉ 2d L. α Orionis. Syrius. Procyon. Pollux.
25.	15 9½ 34½ 2+ 37 55½ 30- 40- 53½	13 39: 15 48½ 23+ 54 35 0- 13+ 40+ 17 50+ 8½ 18½ 40 37	10 14 18½ 16 28 18 50 5 55 17- 56 23- 19 34 39 38 52½ 43 20- 4 21 57+ 58 46- 5 2 48- 41 57+ 6 34 21- 7 30 21+	17 58 7+ 47- 18+ 31½ 58+ 37+ 41+ 26½ 36½ 1: 5	15 37 46½ 57 47- 10+ 37- 17+ 36+ 5+ 15- 41- 27 47- 49-	☉ 1st L. ☉ 2d L. π Sagittarii. Jupiter's Center. 8 ^h 41' 24", 1 mean time. γ Aquilæ. β Aldebaran. Capella. Rigel. α Orionis. Syrius. Procyon. Pollux.
26.	16 40- 18 49+ 7 33 8- 1½ 40 39+ 11: 53	19 28½: 8 12+ 48+ 40 18 40- 50- 36½	10 20 7½ 13 8 52- 14 4 30- 19 38 52+ 43 19 5 41 57- 6 34 20 7 26 29- 30 21-	47 11 31 58 42 36 0+ 8- 5-	19 16 10 10½ 52- 10- 36½ 14½ 43 14½ 40 46 48+	☉ 1st L. ☉ 2d L. ☉ 1st L. 2 ^h 50' 54", 3 mean time. Arcturus. α Aquilæ. β Orionis. Syrius. Procyon. Pollux.
27.	58+	47+	18 28 36½	26+	30 15+	α Lyrae.
28.	23 58½ 26 8 3 6½ 38 8 13 3½ 58- 54 26+ 33+ 40 38+	24 37½ 47- 47½ 48- 46+ 47- 55 8+ 12- 17+:	10 25 17- 27 26 14 4 28½ 39 28 x 16 14 29½ 18 28 36 55 50 19 38 51 5 41 56:	28 56 5½ 5 10 40 9- 15 12½ 26- 30	26 35 44+ 51 49 55+ 14½ 57 14 9-	☉ 1st L. ☉ 2d L. Arcturus. ☉ 1st L. 4 ^h 13' 25", 2 mean time. Antares. α Lyrae. Jupiter's Center. 8 ^h 29' 5", 1 mean time. α Aquilæ. α Orionis.
29.	40 38 58½	41 16½ 39-	5 41 56- 6 34 19 7 30 19½:	3 25 42 35- 59	4 3½ 43 13½ 39	Rigel. α Orionis. Syrius. Pollux. Hazy.
30.	31 16-	16 7- 46 x 12-:	10 16 49- 18 28 35+ 19 38 50: 4	17 31- 25- 29½: 59 39+	18 12+ 13 x 34-	☉ 1st L. ☉ 1st L. 5 ^h 42' 38", 7 mean time. α Lyrae. α Aquilæ. Capella.
31.	8 2+ 18- 56½ 14+ 58-: 9½	13 45 9 0 45+ 38 10½: 32 8 16- 48- 34½	16 14 28- 17 9 43 18 28 35- 19 38 50-: 20 33 2+ 5 41 55- 6 7 26 27- 30 19- Axis level.	15 11- 10 26 24 x 29 56 34- 6- 2½	27 53+ 9- 13 x 7: 50- 12 x 44 46	Antares. ☉ 1st L. 6 ^h 31' 28", 9 mean time. α Lyrae. α Aquilæ. α Cygni. α Orionis. Syrius. Procyon. Pollux.
SEPT. 1.	38 32 40½	39 10½ 19+	10 39 50- 41 58½	40 29- 42 37½	41 7+ 43 16½	☉ 1st L. ☉ 2d L.
2.	57	37	6 34 17+	58-	37+	Syrius.
3.	47 54½: 22 13	48 33: 22 52½	10 Cloudy and Hazy 17 23 32	47 45: 49 51½: 12-	48 24: 51	☉ 1st L. ☉ 2d L. α Ophiuchi.

In SEPTEMBER MDCCCLIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.		9+	19 38 48½ 43 16—	27+ 54½	6 33—	α } <i>Aquilæ.</i> β } δ 1st L. 9 ^h 14' 43", 7 mean time. δ Center. π <i>Capricorni.</i> α <i>Cygni.</i> α <i>Orionis.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
	11 56 13: 36+ 57— 8½ 50	7— 15 37— 10+: 47 33½	13 17½ 33 1 5 41 54— 6 34 17 7 18 56+ 26 26— 30 18—	55 33— 57+ 42+ 5— 2—	6 39 53 11+ 37+ 27+ 43 45	
4.	49 23½ 32 13— 4 57— 58 48+	50 2 52 11— 52 9 5 39 59 27	10 50 41½ 17 23 32— 19 38 48+ 21 6 22— 10 14½ 23 0 6	51 20 11+ 27+ 7 4+ 1	59— 50½ 6— 46½ 24	⊙ 1st L. ⊙ 2d L. α <i>Opbiuchi.</i> α <i>Aquilæ.</i> δ 1st L. 10 ^h 11' 47", 1 mean time. 33 <i>Capricorni.</i> Saturn's Center. 12 ^h 5' 12" mean time.
Line of Collimation found exact.						
5.	5 29 58 31½: 32 56 49	6 10½: 39 9+ 51 53+ 10: 14 33 36— 10 25 46 33—	22 6 52 39 49— 41 37 44 4— 52 33 59 49 23 6 41: 5 41 53+ 6 34 16½ 7 18 56— 26 25 30 17—	34— 28— 49 13 32 56½ 42—: 4— 1—	8 14½ 1 6+: 11— 36½ 27— 42+ 44½	δ 1st L. 11 ^h 8' 11", 9 mean time. λ } <i>Aquarii.</i> δ } <i>Fomalhaut.</i> α <i>Pegasi.</i> Saturn's Center. 12 ^h 0' 59", 3 mean time. 96 <i>Aquarii.</i> α <i>Orionis.</i> <i>Syrus.</i> <i>Castor.</i> Faint. <i>Procyon.</i> <i>Pollux.</i>
6.	56 36½ 16— 29½ 57+ 58 13+ 4 44+	43 55— 8+ 36— 58 52+ 5 24½	10 28 32+ 19 34 34 38 47+ 43 15— 22 59 31+ 23 6 5+ 8 25	58 33 22— 13+ 26+ 53½ 7 6—	11— 52+ 5 32— 49 26— 45+	⊙ 1st L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> β } Saturn's Center. 11 ^h 56' 46", 7 mean time. δ 1st L. } Center. 12 ^h 4' 29", 5 mean time. δ 2d L. }
8.	55—	35—	6 34 15	55½	35+	<i>Syrus.</i>
9.	7 24 59 1+	3— 41½ 6 17+ 44½ 13— 34½ 54+ 6 48—	11 8 41— 10 50 18 28 31½ 53 23½ 2 0 21 6 56 30 35— 32 24+ 5 41 52— 6 34 15— 7 18 54 26 23½ 30 15+	29— 20½ 5+ 1 34½ 4+ 31— 55 40 2+ 59+	7+ 10— 47— 41— 12: 9 35— 25+ 41— 43—	⊙ 1st L. ⊙ 2d L. α <i>Lyræ.</i> α <i>Arietis.</i> δ 2d L. 14 ^h 45' 20", 8 mean time. 6 or 7 ^m ; perhaps α <i>Ceti.</i> P. D. 94° 3'. γ } <i>Ceti.</i> π } α <i>Orionis.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
10.	11 0 13 8½ 1 53 31+ 6 4½ 14 28— 55×	38½ 46½ 49 37+ 42— 42— 54 13 59 46½ 44½ 53 6+ 34—	11 12 17½ 14 25½ 13 50 18— 14 4 23 18 28 31 54 55 19 0 29+ 3 15+ 7 25+ 10 20 34 32+ 38 45+ 43 13—	56+ 4½ 4½ 20 55 37× 1 12½ 8 6 11+ 24½ 51½	35— 43 51 38 45 9 56 19 46½ 50+ 3 30	⊙ 1st L. ⊙ 2d L. Venus's Center. 22 ^h 33' 23", 2 mean time. <i>Arcturus.</i> α <i>Lyræ.</i> Jupiter's Center. 7 ^h 37' 8", 8 mean time. ↓ } d } <i>Sagittarii.</i> 1 p } 1 x } γ } <i>Aquilæ.</i> α } β }
With the six foot Reflector at 21 ^h 15' 2" by this Clock, the third Satellite of Jupiter immersed.						
Apparent Time 10 ^h 0' 2".						
	56 38 31—	11— 40½ 52½	2 57 59 4 21 51— 18 28 30— 34 32—	39½ 31 19+ 11+	59 20 11— 8+ 50	δ 2d L. 15 ^h 38' 53", 7 mean time. <i>Aldebaran.</i> α <i>Lyræ.</i> γ <i>Aquilæ.</i>
11.	51+ 33 13½	40½ 52½	18 28 30— 34 32—	19+ 11+	8+ 50	

In SEPTEMBER MDCCCLIX.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
♂ 11.	27½ 41 55- 55 22½	38 6 33½	19 38 45 43 12+ 3 56 45+	24½ 51½ 27	3 29½ 8	α } Aquilæ. β } D 2d L. Hazy. 16h 33' 35", 1 mean time.
♂ 12.	27- 54+ 55 17+ 22½	5+ 32½ I	19 38 44+ 43 12- 4 56 42 58 38½ 5 2 40+	24- 51- 25- 34- 19+	2 29 7- 29- 58	α } Aquilæ. β } D 2d L. 17h 29' 26", 6 mean time. Capella. Rigel.
♂ 13.	46- 26 40+ 26- 54- 32 55 51 52 x	24 39 x 5- 32 10½ 32+	11 23 3- 25 11+ 18 19 34 31- 38 44 43 11 5 41 49½ 57 17- 6 34 13-	23 50 28+ 58 0 53	1½ 28½ 42½ 33-	☉ 1st L. ☉ 2d L. α Lyræ. γ } α } Aquilæ. β } α Orionis. D 2d L. 18h 25' 56", 1 mean time. Syrius.
♀ 14.	25 21+ 29½ 26 50	59½ 7½ 27 39	11 26 38½ 28 46½ 18 28 28½	17½ 25½ 29	56½ 4 7-	☉ 1st L. ☉ 2d L. α Lyræ.
♂ 15.	31 4+ 53 46½ 59 I 25- 52+ 51+ 3- 44 x 54 41-	31 42½: 54 28 44- 3+ 31 x 31+ 41½ 28 55 23½	11 32 21½ 18 28 27½: 55 10½ 19 0 26½ 3 13 38 43- 43 10 6 34 12- 7 18 51 26 20+ 30 12+ 56 6½	30 52½ 33 0½ 17 x 52½ 9 54 22- 49- 52- 37- 59 56 49+	38½ 6+ 51 18½ 34- 52- 4 34½ 01- 27+ 32- 22 37½ 40- 57 32	☉ 1st L. ☉ 2d L. α Lyræ. o Sagittarii. Jupiter's Center. 7h 17' 47", 2 mean time. ↓ } Sagittarii. d } α } Aquilæ. β } Syrius. Castor. Procyon. Pollux. D 2d L. 20h 16' 35", 8 mean time.
☉ 16.	51 19½ 2 44 50 50+	30½ 5 41- 28- 8 52 14½	6 34 11- 7 18 51- 26 20- 30 12- 8 52 14½	51+ 36½ 58 x 56- 56	31 21½ 37 39 53 39	Syrius. Castor. Procyon. Pollux. D 2d L. very faint. 21h 8' 39", 6 mean time.
♂ 18.	47 9+ 23 51- 18½ I 43-	36 48+ 1½ 29+ 4- 40- 26½	18 28 25+ 19 34 28- 38 41 43 8 7 18 49½ 26 18½ 30 10½	15- 7 20 47- 35 57+ 54 x	54 46- 58½ 25+ 20+ 36- 37½	α Lyræ. γ } α } Aquilæ. β } Castor. Procyon. Pollux.
♂ 19.	43 16- 24+ 46½ 33 9- 37 23- 41 50	54 2½ 46 2½ 35½ 48- 1+ 29-	11 44 33 18 46 41½ 28 25- 19 34 27 38 40+ 43 7+	45 12 47 20 14+ 35 6+ 39 19+ 46 x	50 58½ 3½ 45 58 25-	☉ 1st L. ☉ 2d L. α Lyræ. γ } α } Aquilæ. β }
♂ 20.	46- 17- 0 41½	35- 0+ 28- 2+ 38+ 25	14 4 17 18 28 24+ 19 Cloudy 7 18 48 26 17 x 30 9	58½ 13+ 45½ 34- 56 53	39+ 3- 39 57+ 24 19 34½ 37-	Arcturus. α Lyræ. α } Aquilæ. β } Castor. Procyon. Pollux.
♀ 21.	50 26 2 54½ 26 45½ 33 7½ 37 21 59+ 41-	51 4½ 3 35 27 34½ 38 0- 42 27 38- 24½	11 51 43 53 51½ 14 4 16½ 18 28 24 19 34 25½ 38 39- 43 6- 7 26 16½ 30 8½	54 30½ 58- 29 13½ 35 5- 39 18 45 56- 52½	55 8½ 38½ 2½ 44 56½ 34- 36	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ. γ } α } Aquilæ. β } Procyon. Pollux.
♂ 22.	54 1½ 10- 45-	40- 48 34+ 33½	11 55 18½ 57 27- 14 4 16- 18 28 23	57 5½ 57 12½	36- 44- 38- 1½	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ.

In SEPTEMBER MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
22.	20+ 48	46- 59 26½	19 34 25 38 38× 43 5+	4+ 17+ 44+	43 56× 22+	γ } <i>Aquilæ.</i> α } β }
23.	57 37- 33 6½ 37 20	58 15- 45×	11 58 53× 19 34 24½ 38 38- 43 5-	35 4- 39 17 44-	42½ 22½	☉ 1st L. γ } <i>Aquilæ.</i> α } β }
24.	1 12 20½	51- 59	12 2 29½ 4 37½	3 8×	46½ 5 54½	☉ 1st L. ☉ 2d L.
27.	42+ 4+ 18	31× 43+ 57-	18 28 20½ 19 34 22½ 38 36-	10- 2- 15-	59- 41-	α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α }
28.	26 51 32+	44½ 32- 31- 17 59-	12 16 53½ 18 22½ 14 4 13 27 55+ 17 42 37:: 18 28 20+ 7 18 44½ 26 14-	54½ 43 20:: 30+	10½ 35+ 29 18 44 3½ 16-	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>Venus's Center.</i> 2 ^h 0' 16",5 mean time. ☉ 1st L. α <i>Lyræ.</i> <i>Castor.</i> <i>Procyon.</i>
29.	37 34- 45 20× 56 18 5 53½ 17+	38 17× 46 5- 54 17½ 0½:: 6 34 9 27- 42½ 56- 23½	18 28 20- 39 1 46 49½ 49 47½ 57 41½ 19 3 5+ 7 15 10 9+ 19 34 22- 38 35 43 2+ 9 55 3	9+ 45- 34½ 29½ 52 10½ 58 24- 55½ 52 1- 14 41 43-	58+ 4 28 48 18½ 54 59 5+ 53- 22-	α <i>Lyræ.</i> ☉ 1st L. 6 ^h 6' 45",4 mean time. ξ } <i>Sagittarii.</i> ο } τ } π } <i>Jupiter's Center.</i> 6 ^h 25' 23",1 mean time. δ } <i>Sagittarii.</i> 1 ρ } 1 π } γ } <i>Aquilæ.</i> α } β } <i>Regulus.</i> Faint.
30.	2 50+ 26 41 41 44½	27 30- 36 40 57 53 52+	14 28 19½ 19 34 21+ 37 24- 43 1½ 48 1: 51 35 20 32 47-	29 9 38 7½ 39 13½ 40½ 41-	58 52½ 19 34½	<i>Arcturus.</i> α <i>Lyræ.</i> γ <i>Aquilæ.</i> ☉ 1st L. 7 ^h 1' 3" mean time. α } <i>Aquilæ.</i> β } 63 } <i>Sagittarii.</i> 65 } ξ <i>Capricorni.</i> α <i>Cygni.</i>
Oct. 1.	5+ 16+ 44	27 4½ 13½ 31- 29+ 55 22+	12 27 43½ 29 52½ 14 4 12- 18 28 19 19 38 34 20 43 1+	22½ 30 31 53 8½ 13 40	31 10- 34 57½ 52- 19 38 15½:	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> α <i>Lyræ.</i> α } <i>Aquilæ.</i> β } ☉ 1st L.
2.	40- 16 43+ 30- 2 53+ 31 55 34 56+	29- 54+ 22 19+ 32 35 35 38-	18 28 18+ 19 34 20+ 38 34- 43 1- 20 3 49 4 12½ 6 59½ 21 28 42½ 33 16- 36 20	8- 59+ 13- 40- 40- 56 37 2+	57- 38½ 51+ 18 8- 31+ 44+	α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } 1 α } 2 α } β } <i>Capricorni.</i> ξ } ☉ 1st L. 8 ^h 51' 48",9 mean time.
4.	15 32 8½	28 40+ 26 8½ 32 48+	18 28 18- 19 34 20- 23 19 8 21 18 23 38+ 23 33 29- 52 32½	7 27 29-	56 51- 13 14 16 1- 34 49-	α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } 13 } <i>Pisium.</i> 14 } 16 } <i>Aquarii.</i> ☉ 1st L. 10 ^h 40' 47",4 mean time. 33 or 4 <i>Pisium.</i>

In OCTOBER MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4	4.	48-	23 55 31+	15		α Andromedæ. γ Pegasi. Algenib. δ Ceti. α Orionis. Sirius.
	23 22 42+	0 $\frac{1}{2}$ 22x	0 0 24- 6 41 5 41 39 $\frac{1}{2}$ 6 34 3-	4- 18+	59+ 57+ 23	
5	40 57 39 58 11- 5 51	41 35 $\frac{1}{2}$ 44 $\frac{1}{2}$ 28 52 $\frac{1}{2}$	12 44 23 18 59 34 $\frac{1}{2}$ 19 7 12 10 8- 11 27 34 19 38 32 $\frac{1}{2}$ 43 0- 0 31 15- 33 24:	45 1 $\frac{1}{2}$ 0 17- 58+ 11 $\frac{1}{2}$ 38+:	43 31 $\frac{1}{2}$ 40 $\frac{1}{2}$ 58x 50 50	$\odot$ 1st L. $\odot$ 2d L. α Lyræ. Jupiter's Center. 6 ^h 3' 42", 4 mean time. 1 β } Sagittarii. 1 x } 50 } γ } α } Aquilæ. β }
	14 $\frac{1}{2}$ 29 55x	40- 53 20 $\frac{1}{2}$ 30 35-	0 31 15- 33 24:	13+:	52:	$\odot$ 1st L. 11 ^h 34' 28", 4 mean time. $\odot$ 2d L. not full.
6	44 35 44 $\frac{1}{2}$	45 14- 47 23. 28 $\frac{1}{2}$	12 45 53- 48 2 14 4 10- 19 38 32- 42 59 1 31 32 5 41 39- 9 55 0	32- 41 11 38- 12- 18- 40-	47 10 49 19+ 50- 16+ 32 51+ 56+ 19	$\odot$ 1st L. $\odot$ 2d L. Arcturus. α } Aquilæ. β } $\odot$ 2d L. 12 ^h 30' 40", 3 mean time. α Orionis. Regulus.
7	48 14 23 $\frac{1}{2}$ 47+	51 52 $\frac{1}{2}$ 2 28 33 39 53- 42 20	12 49 31 $\frac{1}{2}$ 51 41- 14 4 9+ 19 34 18+ 38 32- 42 59 2 30 25x 5 41 38+ 7 18 41 26 10 30 2	50 10 $\frac{1}{2}$ 52 20 50 $\frac{1}{2}$ 58- 39 11- 43 38- 31 5 $\frac{1}{2}$ 17 $\frac{1}{2}$ 27+ 49 46	49 58+ 32- 35 36 $\frac{1}{2}$ 49 $\frac{1}{2}$ 44 16+ 31 45 $\frac{1}{2}$ 56- 12 27 $\frac{1}{2}$ 29 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. Arcturus. γ } α } Aquilæ. β } $\odot$ 2d L. 13 ^h 25' 28", 6 mean time. α Orionis. Castor. Procyon. Pollux.
8	51 53 $\frac{1}{2}$ 53 3- 37 $\frac{1}{2}$ 41 29 21- 20x 52+	52 32 41 $\frac{1}{2}$ 26 $\frac{1}{2}$ 52 19 $\frac{1}{2}$ 59 55- 31- 18-	12 53 11- 55 20 $\frac{1}{2}$ 18 28 16- 19 38 31 42 58+ 3 30 43+ 5 41 38- 7 18 41- 26 10- 30 2-	50 28+ 59 $\frac{1}{2}$ 5 $\frac{1}{2}$ 10 37+ 31 25 17- 26 $\frac{1}{2}$ 49- 46-	54 28+ 56 37 $\frac{1}{2}$ 54+ 49 15 $\frac{1}{2}$ 32 6- 55 $\frac{1}{2}$ 27	$\odot$ 1st L. $\odot$ 2d L. α Lyræ. α } Aquilæ. β } $\odot$ 2d L. 14 ^h 21' 41", 3 mean time. α Orionis. Castor. Procyon. Pollux.
9	33- *27+	11 $\frac{1}{2}$	12 56 50+ 59 0- 14 4 8 $\frac{1}{2}$	39- 50-	18- 30 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. Arcturus. *47
10			13		3 58	$\odot$ 2d L.
12	36 33- 16-	29+ 16 $\frac{1}{2}$	7 18 39+ 26 8+ 30 0+ 37 42	45+ 47+ 44+ 38 25	10+ 26- 28- 39 8-	Castor. Procyon. Pollux. $\odot$ 2d L. 18 ^h 12' 17", 6 mean time.
13	10 17- 45 11+ 33 52 39-	55 26- 50 18-	13 11 34 $\frac{1}{2}$ 13 44+ 14 4 7 18 19 38 29- 8 35 17- 9 54 58-	24- 48 $\frac{1}{2}$ 29 3 $\frac{1}{2}$ 8 59+ 37 $\frac{1}{2}$	2+: 29- 52+ 47- 36 41 $\frac{1}{2}$ 17-	$\odot$ 1st L. } Windy. $\odot$ 2d L. } Arcturus. α Lyræ. α Aquilæ. $\odot$ 2d L. 19 ^h 5' 47", 5 mean time. Regulus.
14	13 58:: 28 7- 38+	14 38- 17+	13 15 17- 17 27:: 9 29 30 54 57x	Clouds 12- 37	30 53 16+	$\odot$ 1st L. $\odot$ 2d L. $\odot$ 2d L. 19 ^h 55' 56", 1 mean time. Regulus.
15	41 $\frac{1}{2}$	18 20	13 Cloudy 14 4 6+ 9 54 57-	21 49 47 $\frac{1}{2}$ 36 $\frac{1}{2}$:	28 28+ 15 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. Arcturus. Regulus.
17	9+	33 34 $\frac{1}{2}$ 48	19 34 14- 38 27-	53 6-	32- 35-	γ } Aquilæ. α }

In OCTOBER MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
17.	37-	15+	19 42 54	33-	11+	β Aquilæ.
18.		15+	9 54 55	35-	14-	Regulus.
19.	38-	16+	13 33 56-			$\odot$ 1st L.
	42	23-	36 7+	46+	26-	$\odot$ 2d L.
	36-	15-	14 4 4+		26+	Arcturus.
			9 54 54½	34+	13+	Regulus.
20.	23+	2-	13 37 41½			$\odot$ 1st L.
	41+	22½	39 53	32½	11+	$\odot$ 2d L.
	31½	20½	14 4 3½	45-	25½	Arcturus. Fluttered.
	4 44	26-	18 28 10-	59+	48+	α Lyrae.
	7+	46-	19 6 7½		7 31+	Jupiter's Center. 5 ^h 11' 22", 8 mean time.
	35-	13½	34 12-	51	30	γ } Aquilæ.
			38 25	4	43-	α }
			42 52	31-	10-	β }
22.	43 56		13 45 14½			$\odot$ 1st L.
	32+	13-	47 26x	6-	45-	$\odot$ 2d L.
			9 54 52+	32-	11+	Regulus.
23.			13 51 14;		33:	$\odot$ 2d L.
	29+	18x	18 28 7½	57	46	α Lyrae.
	6 20+	7 2-	19 7 44-		9 7½	Jupiter's Center. 5 ^h 1' 11", 5 mean time.
	5	44-	38 23-	2-	40½	α } Aquilæ.
	32½	11½	42 50	29-	7+	β }
	33-	40½	20 32 35	29	22½	α Cygni.
		12	9 54 52-	31+	11-	Regulus.
24.	51 32	52 11	13 52 51-	30	9½	$\odot$ 1st L.
	44½	23½	55 3	42½	56 21½	$\odot$ 2d L.
	2 39	3 19½	14 4 1	42½	5 23	Arcturus.
	29 59½:	Hazy.	16			$\odot$ 1st L.
	29-	17½	18 28 7	56½	45+	α Lyrae.
	4+	43	19 38 22+	1+	40+	α Aquilæ.
	32	11½	9 55 51x	31	10+	Regulus.
26.	37 31½:	42½	19 38 21+:	0½	39	α Aquilæ.
	53 31	10+:	9 54 50-			Regulus.
28.	11 44-	12 27-	20 13 10x		14 37-	$\odot$ 1st L. 5 ^h 45' 52", 2 mean time.
		25½	25 6-	46x		τ Capricorni.
		24-	27 46			α Delphini.
			31 7	26½	20+	$\downarrow$ Capricorni.
			32 32+			α Cygni.
			38 58-			μ Aquarii.
			49 59-			η } Capricorni.
			51 42-			θ }
		30 8+	0 30 49½			β Ceti.
30.	14 37		14			$\odot$ 1st L.
	48 36-	37+	20 32 31½	26-	19x	α Cygni.
		17-	49 58	39+		η Capricorni.
		6-	55 45+	24½		ν Aquarii.
			21 1 42-			29 Capricorni.
			3 5			α Equulei.
			18 10	49+		β Aquarii.
		22 30½	22 52-	33+		ϵ }
		10½	26 1½	42		γ } Capricorni.
		21-	33 1½	42		δ }
	29½	9-	9 54 48½	28+	8-	Regulus.
31.	18 30+	10	14 19 50-			$\odot$ 1st L.
			22 3½	43+	23	$\odot$ 2d L.
			20 32 31-:	25+		α Cygni.
	3 14-		23 4 33::		5 55	$\odot$ 1st L.
	29	8x	9 54 48	28-		Regulus.
	34	15-	12 44 14			Pole *; below.
			14 3 56+	37½	18+	Arcturus.
Nov. 1.	22 24	23 3½	14 23 44-			$\odot$ 1st L.
		27 13	18 28 2½:	52	27 17½	$\odot$ 2d L.
	0+	39	19 38 18	57	41-	α Lyrae.
		35½	20 32 30	24+	36-	α Aquilæ.
		38 16	38 55+	35-	17½	α Cygni.
	1+	40½	22 39 19+			μ } Aquarii.
	45 57	46 36	47 15+	54½	37	λ }
		33	23 55 17-		48 33½	Saturn's Center. 8 ^h 4' 50", 8 mean time.
	59 32+	0 11½	0 0 51½	1 31	2 11+	α Andromedæ.
			0 44 16			$\odot$ 1st L. 9 ^h 18' 14", 9 mean time.
						Pole *; above.

In NOVEMBER MDCC LIX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 2.	26 19 23× 12 20+	26 58+ 12+ 13 1+ 38-	14 27 38½ 29 53 18 28 1½ 19 13 44- 38 17+ 0 44 17 49 45- 0 57 33 9 54 46 12 44 13 14 3 55-	33 51 56+	12 40 15 7 52 5 17-	☉ 1st L. ☉ 2d L. α Lyræ. Jupiter's Center. 4 ^h 27' 59", 1 mean time. α Aquilæ. Pole *; above. ε Piscium. ☽ 1st L. 10 ^h 10' 52" mean time. Regulus. Pole *; below. Arcturus.
♂ 3.	30 14½ 29 22½ 58× 54 9½ 32	33 54 8½ 11½ 24- 37 4½ 54 49+ 13-	14 31 34 33 48½ 18 28 1 19 34 3 38 16+ 42 43+ 0 44 15 1 55 29× 9 54 45+ 14 3 54-	14+ 29- 50½ 42+ 55+ 22½ 25+ 35+	54 8½ 39½ 34 56 49 4+ 16-	☉ 1st L. ☉ 2d L. α Lyræ. γ } Aquilæ. α } β } Pole *; above. ☽ 1st L. 11 ^h 4' 43", 8 mean time. Regulus. Arcturus.
☉ 4.	10+	50+	14 35 30½ 37 45+	25½	5+	☉ 1st L. ☉ 2d L.
☽ 5.	58 48		4 0 11+	53×	1 34½	☽ 2d L. 13 ^h 1' 14", 8 mean time.
♂ 6.	42 6½ 44 21½ 26 20½ 56+ 24 3 3	35+ 2½ 16:	14 43 26½ 45 41½ 18 27 59 19 34 1+ 38 14+ 42 41+ 4 58 11+ 5 4 28+	44 7 46 22 48½: 40+ 53+ 20× 7 5 11½	47 2 37½ 32+ 59- 1½ 5 54-	☉ 1st L. ☉ 2d L. α Lyræ. γ } Aquilæ. α } β } Capella. ☽ 2d L. Hazy. 14 ^h 1' 26" mean time.
♂ 8.	50 5 11 38:	45	14 51 25 53 41 7 13 5:	21+ 48::	1+ 31+:	☉ 1st L. ☉ 2d L. ☽ 2d L. very hazy. 16 ^h 1' 51" mean time.
♂ 10.	58 7½ 9 22+ 21 12 29 6 42 10 52 0 5 8½	48 10 4 21 12 29 6 42 10 45 59½ 40 5 8½	14 59 28 15 9 10 46+ 29 46× 31 19- 35 29½ 44 25 46 39- 53 21- 54 42- 10 2 25½ 5 50 12 44 12	2 25 22 32½ 55 21½ 58 41 6 31½	3 5 12 10 56 1	☉ 1st L. ☉ 2d L. ☽ 2d L. 17 ^h 51' 22", 3 mean time. 7 } ↓ } Leonis. 6 } 20 } 10 Sextantis. v } π } Leonis. η } Regulus. λ Hydra. ξ } Leonis. γ } Pole *; below.
☉ 11.	26 17½ 51 19 9 27	27 7- 49 7	15 5 47+ 18 27 56+ 21 52 35- 56 59 57 10 59 21 22 0 28 10 44-	6 27+ 28 46- 57 10 59 21 22 0 28 10 44-	7 7 29 34½	☉ 2d L. α Lyræ. 30 } Aquarii. P. D. 97° 40'. α } P. D. 91 29. 6m. P. D. 95 3. 6m×. 6m. P. D. 95 53. 6m. P. D. 95 36. 51 Aquarii. P. D. 96 2.
☽ 12.	26 17 32 39½ 36 53+	27 6 37 32-	18 27 55½ 19 33 57½ 38 11-	28 45 34 37 50	29 34 35 16- 39 28½	α Lyræ. γ } Aquilæ.
♂ 13.	38 36 2 26	39 15½ 3 7-	19 38 10+ 21 44 44½ 51 9 52 33 54 13 11 39 55× 14 3 48×	57 48 40 35 4 29+	41 14+ 5 10×	α Aquilæ. 6m-. P. D. 96° 33'. 6,7m. P. D. 96 0. 6m-. P. D. 96 30. 6,7m. P. D. 97 6m+. P. D. 95 26. ☽ 2d L. 20 ^h 8' 21", 2 mean time. Arcturus.
♂ 14.			15 15 43½			☉ 1st L.

In NOVEMBER MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
14.	44	24 23-	15 25 2½ 12 25 2½	18 41½ 42:	19 21½ 26 21:	☉ 2d L. ☽ 2d L. 20 ^h 49' 25", 8 mean time.
15.	36 50½ 8 7½:	37 30: 46½:	19 38 8½ 13 9 26+	47½ 5½	39 26 45:	α Aquilæ. ☽ 2d L. faint. 21 ^h 29' 46", 9 mean time.
16.	This day a new Eye-Glass was put into the Transit Instrument, and the Tube of the Telescope put through the Axis the contrary way to what it was before. The focus of this new Eye-Glass (which is placed between the Wires and the Object-Glass) is about four Inches, or near half an Inch longer than the other (which was put in Jan. 1753.). Hence Stars will now be less time in passing between the Wires than they were before, which, by the mean of several Observations hitherto made since Jan. 1753, appears to have been 38", 7 in the Equator.					
	2 30½	3 7½	14 3 45-	4 22+	4 59	Arcturus.
17.	26 49- 26 21½ 32 42- 36 55½	27 25½ 6 17+ 30½	15 28 2½ 30 20½ 27 50½ 19 33 52½ 38 6- 21 51 28½ 57 4½ 59 15½ 43½	57+ 34 28+ 41+	31 34- 29 19½ 35 3½ 39 16+	☉ 1st L. ☉ 2d L. α Lyræ. γ } Aquilæ. α } 32 Aquarii. 6 ^m . 6 ^m -. Arcturus.
18.	30 57	31 33½	15 32 10½ 34 28½:	Hazy	35 41:	☉ 1st L. ☉ 2d L.
19.	36 53x		19 38 4-		39 14	α Aquilæ.
23.	26 15 36 49½	27 0-	18 27 44½ 19 38 0 21 49 34½ 52 23½ 59 10-	28 29+ 35½	28 13½ 39 10½	α Lyræ. α Aquilæ. 30 } Aquarii. α } 6 ^m -. P. D. 97° 35'. P. D. 91 24'. P. D. 95 49.
25.	0 16½		16 1 32-:	2 9 4 28		☉ 1st L. ☉ 2d L.
27.	36 47- 41 20	22- 19+: 35 9+ 57-	19 37 57 20 32 8½ 22 35 45½ 42 33½	32½ 57½ 21½ 43 11-	7+ 47-: 47½	α Aquilæ. α Cygni. 2 α Aquarii. ☽ 1st L. 6 ^h 18' 16", 4 mean time.
28.	35 34+ 44 16½ 19 52 45- 53 15+ 16 41 24 35- 35 29- 10 16 20	41½ 51 21 28+ 4 20- 51+ 12 2+ 17 16 25 11- 36 4½ 51x 57½	23 36 46½ 45 26½ 48 32+ 51 56½ 4 21 5- 57 54 5 1 55 9 54 27- 10 4 35: 12 37½ 17 51- 25 47 36 41- 12 43 51: 13 11 27- 14 3 35-	37 23 52- 49 7½ 52 31½ 41 44 30½ 55 3- 26 26 23+ 37 17 2- 12	59 26½ 17+ 34- 5½ 38+ 22 Sextantis. 6 ^m . 6 ^m . 3 φ } Hydræ. Pole *; below. Spica Virginis. Arcturus.	☽ 1st L. 7 ^h 8' 25", 2 mean time. 27 } 30 } Piscium. 33 } Aldebaran. Capella. Rigel. Regulus. P. D. 95° 50½'. P. D. 96 23½.
29.	20- Clouds 38 28½	57 49 11- 50 44 30 23½ 39 3 50+ 56+	16 18 35- 20 55 18 27 40: 20 32 7 21 50 45½ 51 19 0 30 58+ 39 38x 43 41 12 43 47 13 11 26- 14 3 34-	33- 25- 56- 21- 54 31 34½ 40 13½ 11	10 9 44½ 21 32 10 47½ 36+ 48	☉ 1st L. ☉ 2d L. α Lyræ. α Cygni. α } Aquarii. α } ☽ 1st L. 7 ^h 58' 33", 4 mean time. 20 Ceti. Pole *; above. Pole *; below. Spica Virginis. Arcturus.
30.	37- 44+ 50+ 46 10-	14 19½ 17 30½ 46 45+	16 22 52 25 12+ 19 37 55- 20 32 6 21 59 4 22 43 12- 47 20½ 0 43 40	50 30 55 52+	27½ 5 43+ 32½ 31	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. 6 ^m . No * to be seen near. Fomalhaut. Saturn's Center. 6 ^h 11' 17", 4 mean time. Pole *; above.

In DECEMBER MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 30.	24 55+ 50x	31 26+	1 26 7- 4 21 3-	39-	27 19- 15	♂ 1st L. 8 ^h 49' 37", 5 mean time. Aldebaran.
♂ DEC. 1.	At 11 ^h in the Morning I wound up the Clocks, when the Quadrant Clock was 2' 33" before the Transit Clock, and the Transit Clock 53", 1 before the Clock in the Great Room. I screwed up the Bob of the Pendulum one division of the Nutt of the Transit Clock, and set the minute hand one minute forward. I also let down the Bob of the Quadrant Clock about two divisions, and then the Clocks were set nearly to the same time.					
☉ 2.	48 26+ 34- 23 0½ 48½	49 1 53 11+ 57 10½ 11 11 16 54x 24 37½ 44½ 28+ 21 25-	2 49 36+ 48 47½ 3 11 46 17 30 24 15- 28 21+ 31 26 33 6½ 4 22 1+	50 11½ 54 24 58 24+ 18 5½ 52 58½ 14+ 37½	46- 59 1- 25 29 13½	α Ceti. 53 { Arietis. δ { Tauri. f { Tauri. ♂ 1st L. 10 ^h 38' 36", 4 mean time. 13 { Tauri. 20 { Pleiadum. Aldebaran.
♂ 3.	37 42x 20 49 26 3½	36 11 38 17+ 15 21 25 41	16 19 38 52½ 20 33 4 4 22 1½ 27 19½	28 53 38- 58	42- 23 13½ 28 36-	☉ 1st L. α Aquilæ. α Cygni. Aldebaran. ♂ 1st L. 11 ^h 37' 34", 8 mean time.
♂ 4.	3 24	59+	12 44 45 13 14 4 35	12 59 5 10½	34x 45½	Pole *; below. Spica Virginis. Venus's Center. 21 ^h 9' 20", 1 mean time.
♀ 5.	44 15½	53½ 14½ 17½ 15 48 2 52 41+	16 45 31+ 47 52½ 19 38 53- 20 33 4 21 48 37 50 43- 53 16+	46 9 48 30½ 28+ 53+	40+ 8- 3+ 42- 28 o { Aquarii. α	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. P. D. 90° 32'. P. D. 93 17½. P. D. 91 28.
♂ 6.	43-	18 24 25 59½	0 44 35 7 19 5+ 26 34½ 30 26+	47-	28	Pole *; above. Castor. Procyon. Pollux.
♀ 7.	0- 8 42½ 45 5 12+	37+ 52½ 18- 44 48x	16 54 15 56 37 18 28 37½ 19 38 53 8 46 22- 9 55 24:	15 22 28+ 0+	52½ 6+ 3+ 39-	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilæ. ♂ 2d L. 15 ^h 40' 10", 7 mean time. Regulus.
♂ 8.	57 23- 44½ 37 42½ 58 14- 41 29-	58 0½: 0 22½ 38 18- 32 15	16 58 39- 17 1 0½ 19 38 53 20 33 4x 21 57 52½ 22 49 24½ 9 42 44:	59 16+ 38+ 39 28+ 53+ 0 37½: 50 0	54: 40 3+ 34 41½ 50 35	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. 6m. 6m-. Saturn's Center. 5 ^h 40' 55", 4 mean time. ♂ 2d L. 16 ^h 32' 27", 9 mean time.
☉ 9.	33 37:	2 24 4 46-	17 3 2 10 34 50::	6 1½ 28:	6 39 36 4::	☉ 1st L. ☉ 2d L. ♂ 2d L. very hazy.
♂ 10.	6 10- 25 11 4½ 22 16	48:: 7 59½ 39½ 36 1+	17 7 25: 9 48: 11 8 35 12 15 23 28+ 36 38-	25: 10+ 4½ 14	3+: 13 25+ 24 41-	☉ 1st L. { very hazy. ☉ 2d L. { α Leonis. Mars. 17 ^h 53' 52", 4 mean time. ♂ 2d L. 18 ^h 5' 3", 8 mean time. β Leonis. Hazy, faint.
♂ 11.	6 49+ 8 26+ 13 18 20 59	38+ 43 24+ 28 45 48½ 55 21 34½	11 57 13½ 12 3 19+ 7 59+ 9 38- 12 44 42 13 12 24- 14 4 32+ 22 10+	48+ 55½ 14- 59½ 10- 46	49+ 35- 46½ 23 21½	γ Virginis. γ Corvi. c Virginis. ♂ 2d L. 18 ^h 47' 10", 2 mean time. γ Virginis. Pole *; below. Spica Virginis. Arcturus. Venus's Center. 20 ^h 59' 21", 3 mean time.
♀ 12.	42½ 26	17½ 15	19 38 53- 20 33 4 0 44 31	28+ 53	3+ 42-	α Aquilæ. α Cygni. Windy. Pole *; above.

In DECEMBER MDCC LIX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8 12.	49- 53 13+ 11 13 17+	25- 55-	4 22 1½ 12 54 24½ 13 14 4 32	38- 0 59+ 9+	14- 55 36- 34+	<i>Aldebaran.</i> D 2d L. 19 ^h 27' 53",5 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i>
4 13.	24-:	1+	17 20 39½ 23 1½	40	17+	☉ 1st L. ☉ 2d L. Very windy during the two last Observations, and the ☉'s Limbs indistinct with a hazy light, and in a tremor more than common.
8 14.	12 17- 22 45+ 29 37	47+ 45- 23 21+ 30 12½	13 12 23- 14 4 31 23 57½ 30 48½	58½ 8 24 34 31 24+	33+ 45+ 25 10 32 0-	<i>Spica Virginis.</i> <i>Arcturus.</i> D 2d L. 20 ^h 49' 21",3 mean time. <i>Venus's Center.</i> 20 ^h 56' 10",8 mean time.
h 15.	28 14 29- 47½ 21 19+ 18 27½ 12- 16+ 32 37½ 9 23½	31 14+ 16 x 14- 4+ 47- 56 58+ 12 48½ 7 34 1- 49 59+ 19 2½ 47 53+ 33 13 10 0-	17 29 29½ 31 52½ 19 38 51½ 20 33 3- 22 50 39½ 0 44 27 4 22 0 9 55 23- 10 5 31 13 33½ 18 47- 22 26+ 26 43 31 12 37 37- 50 38 53 37- 54 10 11 19 38- 12 44 37 13 12 22½ 14 4 31- 33 49 15 10 37	30 8 32 30½ 27- 52- 36½ 59- 8+ 19 22 19+ 50 13- 16½ 58 8- 25 11 14	46 33 8+ 2- 40 51 10½ 13- 41+ 57 55+ 55 27+ 20 48 33 45- 0½ 50½	☉ 1st L. ☉ 2d L. <i>α Aquilæ.</i> <i>α Cygni.</i> <i>Saturn's Center.</i> 5 ^h 14' 40",4 mean time. <i>Pole *</i> ; above. <i>Aldebaran.</i> <i>Regulus.</i> 22 <i>Sextantis.</i> b at Greenwich May 16. † C of Mr. Blifs May 17 and 19. 44 } <i>Hydræ.</i> 3 φ } Compared at Greenwich May 2. P.D. 112° 15' v } <i>Hydræ.</i> x } Compared May 1. at Oxford. <i>Mars's Center.</i> 17 ^h 41' 36",1 mean time. <i>Pole *</i> ; below. The East end was too low. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Venus's Center.</i> 20 ^h 55' 15",4 mean time. D 2d L. 21 ^h 31' 57",6 mean time.
☉ 16.	40-	17½ 40-	17 33 55½ 36 18+	34- 56-	34	☉ 1st L. ☉ 2d L.
h 17.	37 5½ 40+ 24+	37 43 x 40 5½ 15½ 13 46+ 55+ 13 28 21 51+ 46+ 52+	17 38 21+ 40 44- 19 38 51- 20 33 2 0 44 28 9 55 22 10 5 30½ 14 3½ 18 46 31 10 37 36- 53 36- 54 9 11 22 26+ 12 44 31 13 12 22- 14 4 30-	41 59½ 22 26 51- 58- 58- 57+ 7+	39 37 59½ 1+ 39½ 40½ 56+ 23 40+ 26 53+ 26½ 23 36 32½ 44	☉ 1st L. ☉ 2d L. <i>α Aquilæ.</i> <i>α Cygni.</i> <i>Pole *</i> ; above. <i>Regulus.</i> 22 <i>Sextantis.</i> c } of Mr. Blifs May 21 and 24, &c. C } 4 ^m ; perhaps B at Oxford May 2, 44 <i>Hydræ.</i> Compared at Greenwich May 2. v } <i>Hydræ.</i> x } 6 ^m . May 1. at Oxford. <i>Mars's Center.</i> 17 ^h 36' 33",2 mean time. <i>Pole *</i> ; below. <i>Spica Virginis.</i> <i>Arcturus.</i>
8 18.		44 31½	17 45 9½			☉ 2d L.
☉ 23.	3 44+ 5 7 30 33: 46	4 22+ 6 44½ 11: 22	18 5 0½ 7 23 21 31 49 4 21 59-	8 39- 1+ 35	6 16 8 39 33 5- 11	☉ 1st L. ☉ 2d L. D 1st L. Hazy. 3 ^h 24' 37",4 mean time. <i>Aldebaran.</i>
8 25.	15+	52+	14 4 30	7+	44+	<i>Arcturus.</i>
8 26.	17 5 27 6 12 10	43 20 5+ 50½ 38 15 45:	18 18 21 20 43½ 28 35 19 38 50: 0 13 21½	59+ 21 22- 29 19½ Clouds 57½	37+ 59+ 30 4- 14 33	☉ 1st L. ☉ 2d L. <i>α Lyrae.</i> <i>α Aquilæ.</i> D 1st L. 5 ^h 53' 54",2 mean time.

† The Observations called Compared at Greenwich, c, C of Mr. Blifs, Compared at Oxford, &c. seem to signify the Stars compared with the Comet, of this year, at the Royal Observatory at Greenwich, and by Mr. Professor Blifs at Oxford.

In DECEMBER MDCCCLIX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
26.	20 46½	22 6½ 21 23	0 22 41 4 21 59½	23 16½ 22 35½	23 11½	13 Ceti. Aldebaran.
27.	31½ 5 7 16 16½ 47— 39½ 50—	9+ 13— 43— 11 14½ 51 23 14½ 25—	18 22 48— 25 10+ 20 33 2— 1 1 1 6 18½ 11 50 17 26× 4 21 59+ 58 49 5 2 50— 42 0	48+ 50½: 54½ 25½ 1+ 36— 39— 25+ 35+	26 39× 7 30½ 36 12— 29— 0+ 10+	13 Ceti. Aldebaran. 1st L. 2d L. α Cygni. β Piscium. 1st L. 6h 42' 46", 9 mean time. 9 Ceti. μ Piscium. Aldebaran. Capella. Rigel. α Orionis.
28.	25 58 28 20½ 59 18	28 58½ 54— 23—	18 27 14+ 2 0 30 4 21 59½	52+:: 1 6× 36—	28 30 42 12—	1st L. 2d L. 1st L. 7h 32' 53", 5 mean time. Aldebaran.
30.		27 51½	18 28 36+	29 21	30 5½	α Lyrae.
31.	39 17 41 39 48+ 58 10½ 9 39½ 51	54½ 42 17— 24+ 49 10 19 26+	18 40 33— 42 55— 4 22 0½ 59 28— 10 58½ 5 42 1+	41 11 43 32½ 37— 0 6½ 11 38½	59½ 44 11— 13 45+ 12 18— 11½	1st L. 2d L. Aldebaran. 1st L. 10h 19' 33" mean time. β Tauri. α Orionis.

In JANUARY MDCCCLX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
JAN. 1.	3 14 12½ 24+ 7+: 8	53: 49— 18 24 59+ 46½ 52+	6 4 32½ 34 25+ 7 19 5+ 26 34½ 30 26½ 18 28 37	5 11½ 2— 46½ 10— 6+ 22—	51 38— 28 44½: 46— 6—	1st L. 11h 21' 28", 1 mean time. Syrius. Castor. Procyon. Pollux. α Lyrae.
2.	48 8— 30— 48+ 8 36 11 4— 43 24 7+	45½ 51 7½ 14½ 25— 27— 15+: 24 59 46½	18 49 23½ 51 45½ 19 38 52+ 20 33 3½ 4 22 1 5 42 2— 7 9 55: 12 22½ 19 6— 26 34+ 30 26½	50 2 52 24— 28— 52+ 37+ 37 2 6½	39— 53 1 3— 41+ 13½ 12— 13 41 28 44+ 46—	1st L. 2d L. α Aquilae. α Cygni. Aldebaran. α Orionis. 1st L. not full. 2d L. 12h 24' 13", 8 mean time. Castor. Procyon. Pollux.
3.	14 27:		8 15 43½::	23½:	17 2	2d L. 13h 23' 29", 2 mean time.
7.	7	51½	18 28 36	21—	5+	α Lyrae.
8.	28— 35 2+ 42 53 34 54— 12½ 6+	6— 37+ 43 27 7½ 51—	19 15 43½ 18 5— 4 23 0— 5 36 12½ 43 59 50 23 12 36 5 13 12 23 18 28 35+	43— 36+ 48+ 44 31 41 58+ 20+	20 12+ 45 4 37 16 3½ 4½	1st L. 2d L. Aldebaran. α Orionis. P.D. 99° 45'½ A Comet. P.D. 99 13— (6. 5.) 3 Monocerotis. P.D. 100 35 2d L. 17h 23' 29" mean time. Spica Virginis. α Lyrae.
9.	18 49½ 10½	19 27 47½:	19 20 5— 22 26+	43— 23 4—	20+ 23 41+	1st L. 2d L.

In JANUARY MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8 9.	40+	15+	19 38 51- 4 23 39 25 23 55 52+ 57 44 5 2 50- 4 42	26 27½ 25+	1 0+	<i>α Aquilæ.</i> The Comet faint. P. D. 92° 14½' Comet went out. <i>h Eridani.</i> P. D. 95° 25'. <i>h Eridani</i> went out. <i>Rigel.</i> P. D. 98° 29'. Went out.
h 12.	27 3+	48-	18 28 33-	17	1½	<i>α Lyrae</i>
δ 15.	44 45+	47 43	19 46 0+ 48 20+	38 58	15 49 35+	⊙ 1st L. ⊙ 2d L.
h 21.	57½	42- 7-	18 28 26½ 19 38 42	11+ 17:	56- 52:	<i>α Lyrae.</i> <i>α Aquilæ.</i> Very faint.
δ 22.	48½ 56 4	15 7- 17 25½ 39	20 15 44 18 12½ 32 53- 23 57 15 2 11 38+ 46 30 4 21 50x 25 12- 5 2 41-	16 21 40+ 41½ 51	19 17- 30 58 27	⊙ 1st L. ⊙ 2d L. <i>α Cygni.</i> ⊙ 1st L. 3h 51' 49", 7 mean time. <i>ξ Arietis.</i> (4. 3m.) <i>λ Ceti.</i> P. D. 82° 7'. <i>Aldebaran.</i> <i>c Eridani.</i> P. D. 92° 58'. <i>Rigel.</i>
h 24.		7-	18 28 26+ 19 38 42-	11 17	55+ 52	<i>α Lyrae.</i> <i>α Aquilæ.</i>
δ 25.	4	41x 37 21½ 44 34- 49½ 21 13½	20 28 18x 30 37- 2 37 58 45 11 49 24½ 4 21 50 5 41 51-	38 14- 35- 59½ 22 26½ 26	39 50½ 11+ 50 34 2+ 1+	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. 6h 20' 18", 9 mean time. <i>ξ Arietis.</i> <i>λ Ceti.</i> <i>Aldebaran.</i> <i>α Orionis.</i>
h 26.	31 15 33	34 52- 10-	20 32 29- 34 46½ 2 39 39- 2 43 4+ 46 32- 3 34 56- 4 21 50- 25 12- 5 41 51- 19 38 42-	33 5½ 35 23½ 40 13½ 35 33½ 22 26+ 47 26- 17	36 43- 0x 36 10½ 23 12+ 21½ 1:	⊙ 1st L. ⊙ 2d L. 6m-. P. D. 84° 45'. 4. 5m. P. D. 82° 37-. <i>λ Ceti.</i> ⊙ 1st L. 7h 13' 11", 6 mean time. <i>Aldebaran.</i> <i>c Eridani.</i> P. D. 92° 58' x. <i>α Orionis.</i> <i>α Aquilæ.</i>
⊙ 27.	35 24 37 42- 41 53½	36 1- 38 19- 42 29	20 36 38- 38 55½ 2 43 4+ 19 38 42-	39 15- 32½	40 52- 9+	⊙ 1st L. ⊙ 2d L. 4. 5m. P. D. 82° 36' +. <i>α Aquilæ.</i>
h 28.	32: 37 35 47½ 40½	36 13+ 27- 41 15½	20 40 46+ 4 21 49½ 5 37 6- 41 51- 50 14 53 48 7 26 24- 30 15½	41 23+: 26x 45 42 26+ 50: 59- 55½	2+ 24 43 1 51 25 58 33½ 35	⊙ 1st L. <i>Aldebaran.</i> ⊙ 1st L. 9° 7' 9", 9 mean time. <i>α Orionis.</i> 3 } <i>Monocerotis.</i> P. D. 100° 14'. <i>a</i> } <i>Procyon.</i> } Windy. <i>Pollux.</i> }
δ 29.	40½ 1+ 39 32½ 32 13+ 56	40 15½ 11½ 13 48 36- 6x	5 41 51- 6 34 14+ 40 51 7 18 54½ 26 23+ 30 15½ 19 38 41½	26 51- 41 30½ 36- 59- 55½ 17-	1 27 42 9½ 17 33+ 35 52-	<i>α Orionis.</i> <i>Syrus.</i> ⊙ 1st L. 10h 6' 49" mean time. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>α Aquilæ.</i>
h 30.			20 49 0x 51 17:			⊙ 1st L. ⊙ 2d L.
δ FEB. 1.	55+ 29½	40- 4½	18 28 24½ 19 38 40-	9 15	53½ 50	<i>α Lyrae.</i> <i>α Aquilæ.</i>
h 2.	0	36+	21 1 13 3 29 4 58 37 5 2 38 41 48x 7 18 52+ 30 13½ 10 38 2	6- 13+ 23½ 53+ 39-	42 48x 15- 39 15+	⊙ 1st L. ⊙ 2d L. <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Castor.</i> <i>Pollux.</i> ⊙ 2d L. 13h 47' 40" mean time.

In FEBRUARY MDCC LX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 3.	34 37×	21 10+ 12½	4 21 46½ 5 41 47½ 11	22 23 23- 28 39::	59 58- 14::	<i>Aldebaran.</i> <i>α Orionis.</i> D 2d L.
♂ 4.	33 36+	9+ 11+	4 21 45+ 5 41 46½	21+ 22-	58- 57-	<i>Aldebaran.</i> <i>α Orionis.</i>
♂ 5.	Clouds 26½ 8- 51 0 1::	8- 43- 31-	21 15 33+ 7 18 49× 26 18 30 10+ 13 1 11::	9+ 31- 53 50 46::	12- 28 29½ 23::	☉ 2d L. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L. Very hazy and uncertain.
♂ 6.	16 5 18 20½ 20 31 23+ 34- 50- 12 8 21 52+ 29 41+ 52 4 45 11-	18 41× 56½ 21 7 58½ 9- 42- 29+ 43 19 52 43+ 41 21½	21 17 17½ 19 33 4 19 29- 21 43½ 5 2 34 41 44+ 7 26 17- 30 9+ 10 13 18× 23 7+ 30 56½ 53 22- 53 55 46 57 41 22½	20 44- 9½ 22 20- 9+ 19+ 52 49 32+ 58½	30 45+ 56- 44+ 54+ 28+ 14 28+ 24 22½ 32 11½ 55 12 47 34+	☉ 1st L. ☉ 2d L. 6 ^m . preceding <i>Aldebaran.</i> <i>Aldebaran.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Procyon.</i> <i>Pollux.</i> <i>b</i> at Greenwich May 16. <i>B</i> at Oxford May 2. at Greenwich May 2. Compared May 1. at Oxford and Greenwich. Very near the same declination as the last. 5 ^m . nearly with D. D 2d L. 16 ^h 20' 50" mean time.
♂ 7.	25 5½ 30 43- 57+	33 58×	7 26 10- 14 31 56- 37 9½ 19 38 33½	51- 32+ 9-	27 26- 33 8½ 38 21½ 33:	<i>Procyon.</i> D 2d L. 17 ^h 21' 21", I mean time. <i>α Libræ.</i> <i>α Aquilæ.</i> Very faint.
♂ 8.	24 2½ 26 16½: 4½ 47+ 17 35::	26 38½ 53 4½ 39½ 10::	21 25 15- 27 29½ 7 18 46- 26 14½ 30 7 15 18 48::	51 6- 27 50- 46½ 19 24::	26 27 42- 25- 26 1	☉ 1st L. ☉ 2d L. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L. Very uncertain.
♂ 9.	28 0 14½ 27+: 6 28 54×	36- 50½ 3+ 33	21 29 12- 31 27- 4 21 39½ 16 7 44 14 12- 19 38 31½	48 32 3- 16 22× 51- 7-	24 38½ 52 0 29 42-	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> D 2d L. 18 ^h 49' 4" mean time. <i>Antares.</i> <i>α Aquilæ.</i>
☉ 10.	56×	32+ 4× 26+ 25-	21 33 8 35 23 5 41 39½ 6 34 3 7 26 12+ 30 5- 17	59 15 40- 47+ 44½ 59 59	35- 50- 16- 22+ 24½ 0 39	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L.
♂ 12.	39 48½::	2+	21 43 14:: 5 41 37½	13-	42 13:: 48:	☉ 1st L. ☉ 2d L. <i>α Orionis.</i>
♂ 13.	23+	59+	4 21 36-	12	48	<i>Aldebaran.</i>
♂ 14.	22	58	21 48 48:: 51 1:: 4 21 34½	11-	52 13: 47	☉ 1st L. } Strong winds. ☉ 2d L. } <i>Aldebaran.</i>
♂ 15.	14½	52 5- 50-	21 52 40 54 54-: 19 38 25	30-: 0+	5+:: 35+	☉ 1st L. } Windy. ☉ 2d L. } <i>α Aquilæ.</i>
♂ 16.	55 21- 19+ 22+ 44-	56+ 56- 48- 20	21 56 32+ 58 46- 4 21 32 41 33- 6 33 56+	21½ 8+ 8×	57- 44½ 43+ 9	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>α Orionis.</i> <i>Syrus.</i>
☉ 17.	21+ 42+	56× 18½	5 41 31½ 6 33 55	7-	42- 7½	<i>α Orionis.</i> <i>Syrus.</i>
♂ 18.	3- 9	38 52½ 44½ 55- 17-	22 4 14- 6 27- 4 21 29 5 2 20 41 30 6 33 53½	2+ 5+ 55+ 5+ 30	38- 42- 30+	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i>

In FEBRUARY MDCCCLX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
19.	18x	53	5 41 28+	4-	38½	α Orionis.
20.		24 44+	1 25 20		26 32-	1st L. 2 ^h 26' 2", 6 mean time.
21.	48 31	23 10½	7 18 29x 25 58 29 50½	10½ 33 30x	52 8 10-	Castor. Procyon. Pollux.
22.	15 46+ 10- 34	16 23½ 46 48 10+ 21 8½	3 17 1 4 21 22+ 5 41 23+ 6 33 47- 7 25 56 29 48+	59- 23 31 Clouds	18 15 35- 33½ 59+	1st L. 5 ^h 9' 37" mean time. Aldebaran. α Orionis. Sirius. Procyon. Pollux.
23.	0½:	36	19 38 11x	46½	22-	α Aquilæ.
24.	5+ 27+ 58 15 30x 8½ 24+	41+ 17 33+ 16 9 43+ 16+ 4	22 26 23½ 4 21 18 5 2 8½ 16 48- 41 19- 7 25 51½ 29 44-	29 46+ 54 54 27- 23:	21½: 30+ 18 5	1st L. 2d L. Aldebaran. Capella. Rigel. 1st L. 7 ^h 1' 17", 3 mean time. α Orionis. Procyon. Pollux.
After Pollux passed I shortened the Pendulum two divisions; and put the hand one minute forward the time the Pendulum was altering.						
25.	20 58 18 42	19 34+ 21 59- 34+ 59+ 57 59+ 57-	4 22 10½ 6 20 1- 29 10+ 34 35 7 19 16- 26 44½ 30 37- 9 55 35+	47- 11½ 57+ 20- 17 11+	23+ 21 19+ 48- 54+ 56+ 46½	Aldebaran 1st L. 7 ^h 59' 31" mean time. α Geminorum. Sirius. Castor. Procyon. Pollux. Regulus.
26.	14½ 20 55::	21 49+ 58½ 35: 57-	22 35 25 6 37 36+ 7 26 44+	11½ 11+ 19½	47- 47½ 54+	1st L. 2d L. Sirius. 1st L. Procyon. Pollux.
27.	58- 50½ 53 17 21 27½	34- 10+ 26- 34+ 9 57- 6	4 22 10½ 59 0- 5 3 1 7 19 16- 26 44+ 30 37- 8 22 45	47- 50- 37- 57+ 19½ 16½	23- 40- 11½ 38+ 54+ 56+ 24 2+	Aldebaran. Capella. Rigel. Castor. Procyon. Pollux. 1st L. 9 ^h 54' 3", 9 mean time.
28.	58+ 41 2- 34+ 17½ 19 5+	34+ 36+ 9+ 57 19 43+ 25½	4 22 11- 59 0 7 19 16- 26 44½ 30 37- 9 20 21 55 36- 19 39 4- 20 22 14	47- 57+ 20- 17 11½ 39 2-	23 38+ 54½ 56+ 21 37 47 14- 51½	Aldebaran. Capella. α Orionis. Castor. Procyon. Pollux. 1st L. 10 ^h 47' 34", 1 mean time. Regulus. α Aquilæ. α Cygni.
29.	13 18	14 36½ 57 59½ 5+ 28+	4 59 0 5 42 12- 7 26 45- 30 37- 9 55 35½ 10 14 32x 19	50 47 17- 11+	40 22 47 15 46x	Capella. α Orionis. Procyon. Pollux. Regulus. 1st L. 11 ^h 37' 40", 5 mean time. α Aquilæ.
MAR. 1.	49 15 58 51- I 22+ 53	50+ 34+ 9½ 26 36+ 58½ 34+	22 50 26- 52 36 4 22 10½ 59 0- 5 3 1 42 11½ 6 34 35 7 19 15½	11½ 47- 50 36+ 47- 11½ 57	46+ 23- 40- 11½ 22- 47½ 38	1st L. 2d L. Aldebaran. Capella. Rigel. α Orionis. Sirius. Castor.

In MARCH MDCCCLX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
1.	34+	9+	7 26 44+	19+	56	Procyon.
			30 36½	16+	47-	Pollux.
	4 16	4 52	9 55 35+	11+		Regulus.
	30 31	6-	11 5 28½			1st L. not full.
			7 37	13+	8 49	2d L. 12h 26' 39",9 mean time.
			11 31 41		32 51	Mars. 12h 50' 41" mean time.
4.	25	1 0	23 1 35			1st L.
	58	34	4 22 11-	21-	56-	2d L.
			58 59½	47-	23-	Aldebaran.
	51-	26-	5 3 1	50-	39½	Capella.
	1	36	42 11½	36½	11+	Rigel.
			7 26 44½	47	22-	α Orionis.
	17+	57	8 30 37-	20-	54½	Procyon.
			8 33 15	16½	56	Pollux.
			9 55 36-	3+	52	α Cygni; below.
	26 16+	26 51½	11 27 26½	11+	47	Regulus.
	26 39+		13 27 50½		28 36+	Mars. 12h 34' 39",2 mean time.
				26½	29 2	2d L. 14h 34' 43",6 mean time.
6.		8 25	23 9 0			1st L.
			11 10+	45+	20	2d L.
			4 22 11	47+	23+	Aldebaran.
			6 34 35+	12	48	Syrus.
	34+	34½	7 19 16	58-	38½	Castor.
	17½	9½	26 45	20	55	Procyon.
		57+	30 37	17	56+	Pollux.
			8 33 15+	4	52+	α Cygni; below.
			20 33 15	4-	52+	α Cygni. Faint, hazy.
			38 12		39 26-	Venus's Center. 21h 36' 2",3 mean time.
7.	35-	7-	23 12 42-			1st L.
			14 52-	27	2-	2d L.
	Clouds		4 22 11+			Aldebaran.
			59 0x	50½		Capella.
		26½	5 42 12	47½	22+	Rigel.
		36½	7 26 45+	20	55	α Orionis.
	18	58-	30 37+	17	57-	Procyon.
	21 54	22 29+	11 23 4+		15-	Pollux.
	46 29-		15 47 44	48 22	48 59	Mars's Center. 12h 18' 29",5 mean time.
	19-	56	51 33-	9½	46½	2d L. 16h 42' 25",7 mean time.
	28	6+	16 14 45x	24	3-	β Scorpii.
						Antares.
8.	13+	48+	23 16 23			1st L.
			18 33+	8x	43	2d L.
			4 22 11½	48-	24-	Aldebaran.
		10½	59 1-	51-	40½	Capella.
	52-	27-	5 3 2x	37½	12½	Rigel.
	2+	37+	6 42 12½	48-	23-	α Orionis.
	23	59½	7 26 45+	12+	49	Syrus.
	18½	58	30 38-	20½	55+	Procyon.
				17½	57	Pollux.
9.			23	22 50	24½	2d L.
10.	36	11	23 23 46			1st L.
	0	36+	4 22 13-	31-	5½	2d L.
	53	28	5 3 3½	49	25+	Aldebaran.
			42 13½	52		Capella.
			7 19 18-	39	14	Rigel.
			26 47-	49	24	α Orionis.
		12-	30 39	22-		Castor.
	20-	59+	9 55 38-	19-	58+	Procyon.
			18 25 45-	14-	49+	Pollux.
	24 26		28 51½	25-	27 4-	Regulus.
		7-	19 39 7	36+	20½	2d L. 19h 8' 10",9 mean time.
		11½	20 33 17+	42+	17x	α Lyrae.
				6	54½	α Aquilae.
						α Cygni.
11.	26 17+	52	23 27 27			1st L.
			29 36½	12-	46+	2d L.
	1	37	4 22 13½	50-	26-	Aldebaran.
		12½	59 3-	53-		Capella.
	53½	29-	5 3 4+	39½	14½	Rigel.
	4	39+	6 42 14½	50	25-	α Orionis.
			7 26 48-	22½:	57x	Syrus.
						Procyon.

In MARCH MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
	" "	" "	H " "	" "	" "	
11.	21- 40x	0 29	7 30 40- 20 33 18- 4 22 15½	7- Windy	55+	Pollux. α Cygni. Aldebaran.
13.	6+	41+	5 42 17-	52-	27-	α Orionis.
14.			23 38 29::			☉ 1st L.
15.	40 59 27 58- 29x 41+ 24½	34+ 17- 33- 5½ 41 16½ 4-	23 42 9+ 44 18+ 4 59 6+ 5 3 8+ 6 34 42 7 19 22½ 26 51½ 30 44-	54- 57- 43½ 18½ 4 27- 24-	28+ 46+ 18½ 54½ 1½ 3	☉ 1st L. ☉ 2d L. Capella. Rigel. Syrius. Castor. Procyon. Pollux.
16.	6	42	4 22 18½	55-		Aldebaran.
17.	2 43+ 26½	43+ 18½: 6	5 42 20½ 7 19 25- 26 53+ 30 46-	56- 6+ 28+ 26-	31- 47+ 3x 5-	α Orionis. Castor. Procyon. Pollux.
19.	45- 27½ 48-	20- 7x 36x 36½	7 26 55 30 47 8 33 25+ 20 33 25½	30 27- 14+ 14½	5- 6+ 3 3-	Procyon. Pollux. α Cygni; below. α Cygni.
20.	16½	51	0 0 26+ 2 35	10	45	☉ 1st L. ☉ 2d L.
21.	55 17x 2½ 34+	55- 46 22- 38- 48+ 10+:	3 56 33 4 22 22+ 59 12- 5 3 13 42 23½ 6 34 47	2- 48+ 59- 23½	57 48+ 23+ 0-	☉ 1st L. 3 ^h 57' 57", 2 mean time. Aldebaran. Capella. Rigel. α Orionis. Syrius.
22.	4- 6+ 47½	7 10- 57 45:: 39- 12- 47+ 22½	0 7 45- 4 58 24 5 3 14+ 6 34 48 7 19 29- 26 57½ 30 50-	10 28+ 49½ 24½ 10+ 32½	3 41+ 24½ 51+ 7½	☉ 1st L. ☉ 2d L. ☉ 1st L. 4 ^h 55' 41" mean time. Rigel. Syrius. Castor. Procyon. Pollux.
24.	13 53-	27+ 45 42	0 15 2½ 17 11½ 19 39 20½ 33 31	46+ 56-	21 31-	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni.
25.	17 32-	6½	0 18 41+ Cloudy 8 5 7::	5 45::	22 0:: 6 23:	☉ 1st L. ☉ 2d L. ☉ 1st L. Very hazy.
26.	37- 7½ 43½	26½ 42½	4 59 16½ 5 3 18 9	6½ 53+	28½	Capella. Rigel. ☉ 1st L.
27.	24 48x 15+ 37+ 8 56 11+	23x 51+ 27 43x 54 17+ 56 49-	0 25 58 28 7 4 22 28- 59 17x 5 3 18½ 42 29 9 55 53 57 26 10 7 1½	42 4+ 7x 54 4+	17- 40½ 29- 58 41-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Regulus. ☉ 1st L. 9 ^h 34' 9", 8 mean time. γ Leonis.
28.	26+ 16- 8+ 40+	1x 52- 27+ 43½ 54 16½ 52 27+ 17½	0 29 36 31 45 4 22 28+ 59 17½ 5 3 19 42 29+ 6 34 53- 7 19 33½ 27 2+ 30 54½ 8 33 33+ 9 55 54- 10 7 2-	20 4½ 7½ 54x 5- 29+ 15- 37+ 34½ 22+ 29+	55 40½ 29+ 5½ 14- 10½ 5	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Syrius. Castor. Procyon. Pollux. α Cygni; below. Regulus. γ Leonis. ☉ 1st L. 10 ^h 21' 13", 4 mean time.
	47 21-	57	48 34		49 47+	

In APRIL MDCC LX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 28.	53 49×	54 24+ 22 40	10 55 0 22 23 16		56 11— 24 27—	Mars's Center. 10 ^h 27' 38",3 mean time. Venus's Center. 21 ^h 54' 1",4 mean time.
♂ 29.	4+ 16 9 19½ 11 35+ 56+ 52 48— 35 48— Clouds	39 52+ 44 55— 52+ 27½ 15 45 18 53 23× 36 23+	0 33 14+ 35 23 4 22 29— 59 18 5 3 19½ 42 30— 7 19 34— 27 3— 30 55 8 33 33½ 9 55 54 10 53 58½ 11 37 0— 20 33 34—	58+ 5 5 15+ 38— 35 23— 30 23	33 41 40 56+ 14+ 11+ 55 9+ 38 11½ 11½	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Castor. Procyon. Pollux. α Cygni; below. Regulus. Mars's Center. 10 ^h 22' 40",4 mean time. ☽ 1st L. 11 ^h 5' 34",7 mean time. α Cygni.
☉ 30.	43— 43 22 20	18— 18½ 22 56—	0 36 53— 39 1+ 9 55 54½ 12 23 31+	37— 31—	11½ 6+ 24 43—	☉ 1st L. ☉ 2d L. Regulus. ☽ 1st L. 11 ^h 48' 2",5 mean time.
☽ 31.	22— 21 42 13— 54 37 9 53+	57— 56 18+ 54 29 17—	0 40 32 42 41— 5 42 31+ 6 34 55— 7 19 35½ 27 4× 30 56½ 11 4½ 12 57:	16— 7— 31+ 17— 39½ 36+ 11 40½ 13 32½	51— 41½ 7+ 58— 14 16— 12 16 8+	☉ 1st L. ☉ 2d L. α Orionis. Syrus. Castor. Procyon. Pollux. ☽ 2d L. 12 ^h 31' 30",9 mean time. Spica Virginis.
♂ APRIL 1.			9 55 57—	32+	8	Regulus.
♀ 2.	20— 46— 41 11½ 16+	47 14½ 49 24 56— 21 51½	0 47 50 49 59 4 22 32 9 55 57+ 14 42 24½ 19 39 27	48 25 50 34 8½ 33× 1+ 2+	49 0 51 9 44½ 9— 43 38— 37×	☉ 1st L. ☉ 2d L. Aldebaran. Regulus. ☽ 2d L. 13 ^h 54' 41",9 mean time. α Aquilæ.
♂ 3.	50 18½ 8— 20 42 13 23½ 56½ 39½ 28 31	52 53½ 3— 56+ 32— 48— 58½ 32— 48½:	0 51 29— 53 38— 4 22 32½ 59 22— 5 3 23+ 42 34— 7 19 38— 27 7— 30 59 15 29 45½ 20 33 38×	52 4 54 13— 9— 12 59— 29— 19:— 42— 23 27+	49— 48 45 1+ 34— 44— 0× 17— 18 31 0 16—	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Castor. Procyon. Pollux. ☽ 2d L. 14 ^h 37' 58",4 mean time. α Cygni.
♀ 4.	57½ 21+ 13½ 58— 2— 47+ 52+ 17 45—	33— 57+ 49— 32½ 20 50 23× 31—	0 55 8— 57 17 4 22 33½ 5 3 24+ 6 34 58+ 7 27 8— 31 0— 8 33 39 9 55 59— 16 15 10— 19 2—	52 10 0— 43— 40— 28— 35— 48+ 40	27 46 35— 11 18— 16½ 10+ 27 20 18	☉ 1st L. ☉ 2d L. Aldebaran. Rigel. Syrus. Procyon. Pollux. α Cygni; below. Regulus. Antares. ☽ 2d L. 15 ^h 23' 9",4 mean time.
♂ 5.	57 38— 59— 42—	13½:— 0 22 21½	0 58 48 1 0 57 7 27 9 31 1+	23 32½ 44—	58 2 7½ 19— 20+	☉ 1st L. ☉ 2d L. Procyon. Pollux.
☉ 6.	50+ 21+	26 56½	9 56 2— 19 39 32—	6:	13+ 42	Regulus. α Aquilæ.
☽ 7.	4 58½ 7 7½ 58 22½ 23—	5 33× 7 42½ 58	1 6 8½ 8 18— 18 59 42: 19 39 33+	44 53 22: 9—	18— 9 28 1+: 44—	☉ 1st L. ☉ 2d L. ☽ 2d L. very hazy. 17 ^h 51' 31" mean time. α Aquilæ.
♀ 9.	14 29+	15 4½+	1 13 30½	14 6—		☉ 1st L. ☉ 2d L.
♂ 10.	0—	36	1 17 12—			☉ 1st L.

In APRIL MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
10.	6+	6 41+	1 19 21 7 19 47½ 27 16+ 31 9-	56½ 29- 51+ 48½	31+ 10- 26+ 28-	☉ 2d L. Castor. Procyon. Pollux.
11.	19 43- 52½ 53 34½ 55½ 29	20 18 22 28- 43- 9½ 32- 4+ 1	1 20 53½ 23 3 4 22 44- 5 59 33- 5 42 45- 6 35 8x 19 39 39½ 20 33 50-	22 29 24 38½ 20: 23- 20 45- 15- 38+	22 4 24 13½ 12½ 55- 21- 50- 27½	☉ 1st L. ☉ 2d L. Aldebaran. Very Hazy. Capella. α Orionis. Sirius. α Aquilæ. α Cygni.
12.	23 25 25 34- 54+ 26- 57 9 52+	24 0 26 10- 44 11 33+ 44 31½	1 24 35½ 26 45½ 4 22 45 5 59 *44+ 5 3 35½ 42 46+ 6 35 10- 7 27 19+ 31 11½	11- 27 21- 21½ 24 11 21½ 46 55- 51+	40 55½ 57+ 14- 46+ 56+ 22+ 29+ 31-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. Fluttered. *34 α Orionis. Sirius. Procyon. Pollux.
13.	7- 0½	42 36+	1 28 17+ 30 27 9 56 12	3-: 58-	38- 24-	☉ 1st L. ☉ 2d L. Regulus.
14.	30 49 32 59- 21 35 28	31 24½ 33 34½ 11½ 3	1 32 0 34 10- 4 22 48- 59 37- 5 3 38½ 42 49:	35½ 45 24- 27- 38½	33 11 35 20½ 0+ 16½ 49-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Hazy.
15.	34 31- 57½ 28½ 55	12+ 47+ 3½ 47x 34½	1 37 52- 4 22 48+ 5 59 37+ 5 3 39+ 6 35 13- 7 27 22+ 31 14½	27½ 24+ 27+ 14+ 57½ 54½	39 2½ 1- 17 34-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. Sirius. Procyon. Pollux.
16.	30 13½ 23½ 57 58 33+	49- 59 48- 3 4x 9	1 39 24½ 41 34½ 4 5 3 39+ 19 39 44+	0 42 10 19½	35+ 45½ 44½	☉ 1st L. ☉ 2d L. Capella. Rigel. α Aquilæ.
17.		6½	20 33 55½	44+	32½:	α Cygni.
18.	39 37½ 30+ 14 57	15- 14 49: 5+: 16- 49-	1 46 50 49 0+ 4 22 50 59 39 5 3 41- 42 51 7 19 55 27 24	36+ 26+ 29+ 16-: 26+ 36½ 59	11½ 2+ 51 1+ 17½ 34-	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Castor. Procyon. Pollux.
20.	39 41 34- 42 13 15+	42+ 15 39½ 13 15+ 38-	1 54 18 56 29- 4 22 51½ 5 3 42 6 35 16- 42 53- 7 19 57- 27 25½ 31 18-	4½ 28- 52+ 38- 58-	40- 4 28½ 44 12-	☉ 1st L. ☉ 2d L. Aldebaran. Rigel. Sirius. ☉ 1st L. 4h 45' 23" mean time. Castor. Procyon. Pollux.
21.	51+	57 27:	1 58 2+: 0 13+	49+	25-	☉ 1st L. ☉ 2d L.
22.	36+ 44-	12- 17-: 8½: 19-	2 1 47½ 3 59- 4 22 53 59 42 5 3 43+: 42 54 7 19 58	34+ 29½ 32+ 19 29+	10- 5+ 22 54: 4	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Orionis. Castor.

In APRIL MDCCCLX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. II / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♂ 22.	44 49- 6½	45 27+ 42½	7 31 19× 8 46 6- 9 56 18+	54+	47 23 30-	<i>Pollux.</i> ♂ 1st L. 6h 40' 22",6 mean time. <i>Regulus.</i>
♀ 23.	4 22-	57+	2 5 33× 7 44+	20:	55½	⊙ 1st L. ⊙ 2d L. The last Wire with the naked eye.
♂ 24.	55 9- 32 46::	44+ 33 22:	9 56 20½ 10 33 59: 44 9½	50+	31½ 35 13 45 21-	<i>Regulus.</i> ♂ 1st L. 8h 20' 4" mean time. <i>Mars's Center.</i> 8h 30' 12",3 mean time.
♀ 25.	21 37: 12½ 17+	22 13 48- 54+	11 22 49+ 13 13 23× 14 5 32-	58½ 9	24 2- 14 34 46+	♂ 1st L. 9h 4' 50",4 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i>
♂ 26.	15 41 39+ 21 8 13:: 33 20+	17 21- 56- 55+	2 16 53 19 4½ 6 35 21+ 7 20 2- 27 31 31 23 12 9 24- 0 34 30	43½ 6+	24½ 41- 35 40-	⊙ 1st L. ⊙ 2d L. <i>Syrius.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> ♂ 1st L. 9h 47' 19",8 mean time. <i>Venus's Center.</i> 22h 10' 23",5 mean time.
⊙ 27.	29- 46- 7× 41- 11½: 53 30 14½ 37 49	5- 22- 57 22- 44½ 47+ 54 5½ 50- 38 24	2 20 41- 22 52+ 4 22 58 5 3 38½ 7 20 3 31 24+ 9 56 23½ 12 54 41- 13 13 25+	28½ 37 24 44½ 4 59+	4+ 43+ 35- 55 52- 36	⊙ 1st L. ⊙ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Castor.</i> <i>Pollux.</i> <i>Regulus.</i> ♂ 1st L. 10h 28' 31",9 mean time. <i>Spica Virginis.</i> <i>Venus's Center.</i>
♂ 28.	23 17	53- 58 46- 40-	2 24 29- 26 41- 7 27 33× 31 25+ 9	16½ 5+	52½	⊙ 1st L. ⊙ 2d L. <i>Procyon.</i> <i>Pollux.</i> <i>Regulus.</i>
♂ 29.	27 6- 12+ 43 24+ 44 41+ 23 51½	42- 48½ 24 59+ 47- 45 17- 24 28-	2 28 18- 30 30- 6 35 25- 7 20 5½ 27 34+ 31 27- 9 56 26 10 45 52+ 14 25 4+	6- 1+ 47- 9½ 6½	41½ 37½ 28- 44+ 47 3 26 17	⊙ 1st L. ⊙ 2d L. <i>Syrius.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Regulus.</i> <i>Mars's Center.</i> 8h 12' 2",5 mean time. ♂ 1st L. 11h 50' 46",5 mean time.
♀ 30.	12 39-	31 31:	2 32 7 34 19 15 13 53	55+ 30	31: 15 7	⊙ 1st L. ⊙ 2d L. ♂ 2d L. 12h 35' 30",6 mean time.
♀ MAY 2.		39 11½: 52½ 54 21 56+	2 5 6 35 29- 9 56 30- 12 44 59 13 13 32-	43 41-: 5½ 6- 7½	41½ 43-	⊙ 1st L. <i>α Orionis.</i> <i>Syrius.</i> <i>Regulus.</i> <i>Pole *</i> ; below. <i>Spica Virginis.</i>
♂ 3.	26+	2½	2 43 39- 45 52-	46 28- 46 28-	4- 4-	⊙ 1st L. ⊙ 2d L.
♂ 6.	53 4:	40-	2 54 17::		58 42½	⊙ 1st L. ⊙ 2d L.
♀ 9.	34-	9-	12 45 13 13 13 44+	20-	55-	<i>Pole *</i> ; below. <i>Spica Virginis.</i>
♂ 10.	8 25:		3 13 10 0 9 36+ 45 12	46½ 12+	23 10 48	⊙ 2d L. ♂ 2d L. 20h 50' 8",5 mean time. <i>Pole *</i> ; above. Faint.
⊙ 11.	39- 29+ 0+ 11 44+	15½ 19½ 35½ 46 19	3 14 52 17 6 5 0 10- 4 11 7 27 54+ 9 56 46- 0 45 15 1 4 11	43- 59½ 46+ 29+	19½ 49 21½ 4×	⊙ 1st L. ⊙ 2d L. <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Procyon.</i> <i>Regulus.</i> <i>Pole *</i> ; above. ♂ 2d L. very faint. 21h 40' 36",8 mean time.

In MAY MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
12.	35 38½ 43½	11½ 14— 20½	3 18 49— 21 3— 12 45 18 13 13 49+ 14 5 58 0 45 16	40— 24½ 35+	16+ 0 12½	☉ 1st L. ☉ 2d L. Pole *; below. Spica Virginis. Arcturus. Pole *; above.
At 10 ^h Mane I let down the Pendulum 2— Divisions; and stopped the Clock 1' 11".						
13.	21— 37+ 10—	57+ 37+ 10—	3 21 35— 23 49— 5 42 13— 14 4 47½	25½ 48— 25—	2½ 1+	☉ 1st L. ☉ 2d L. α Orionis. Arcturus.
14.	32+ 32+	53½ 10—	3 25 30½ 27 45+ 14 4 47+	22 24+	58+ 1+	☉ 1st L. ☉ 2d L. Arcturus.
15.	13 22½ 27+ 32+	50 10+ 59 3— 9+	3 29 27 31 41+ 4 59 0½ 6 34 35+ 12 44 11 13 12 38 14 4 47—	18½ 50½ 12— 13½ 24—	55 48+ 48½ 1—	☉ 1st L. ☉ 2d L. Capella. Syrius. Pole *; below. Spica Virginis. Arcturus.
20.			3 49 18: 51 33:	10+	47+	☉ 1st L. ☉ 2d L.
22.	3— 29	40— 6+	3 57 17 11 14 4 43+	0 11: 21—	7 53— 57½	☉ 1st L. ☉ 2d L. ☉ 1st L. Arcturus.
23.	3— 52 55½ 23 28+	0 40 56+ 53 31 58+ 53x 5½	4 1 17+ 3 33 9 55 32x 11 54 7— 13 12 34— 22 28 4 43—	10½ 8 43— 9½ 3— 20	47½ 33½ 18½ 45— 57	☉ 1st L. ☉ 2d L. Regulus. ☉ 1st L. 7 ^h 46' 45" mean time. Spica Virginis. ζ Virginis. Arcturus.
24.	4— 47 57½ 38 29½	41— 22 32½ 5+	4 5 18 7 34+ 58 56 5 2 57½ 42 8— 6 34 31— 7 26 40x 30 33— 12 39 41—	12— 46 33— 43 7½ 40 16½	49— 36— 8— 18 43½ 52	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Syrius. Procyon. Pollux. ☉ 1st L. 8 ^h 28' 35",9 mean time.
25.			13 24 27			☉ 1st L. 9 ^h 8' 59",6 mean time.
26.	30—	26 5—	7 26 40—	15+		Procyon.
27.	22½ 28— 54 13½	5 52½ 58 5— 1+ 50+	7 26 40 30 33— 13 12 33+ 14 4 42 37 37½ 14 55 27½	15+ 12 9 19+ 56 4	50 44+ 56+ 49½ 41	Procyon. Pollux. Spica Virginis. Arcturus. α Libræ. ☉ 1st L. 10 ^h 31' 53",4 mean time.
28.	20 15: 30 23— 42 0½	52 8+ 5 52½ 58 38	4 21 30— 7 26 40 30 32½ 12 44 14 13 12 33½ 15 43 16—	24 23½ 15 12 9— 54—	44½ 50— 44 31+	☉ 1st L. ☉ 2d L. Procyon. Pollux. Pole *; below. Spica Virginis. ☉ 1st L. 11 ^h 15' 38",9 mean time.
31.	32 26½ 43 21 20 55—	33 4 35 20½ 56½ 2½	4 33 42— 35 58 9 55 30— 12 44 15 13 12 31½ 16 14 41½ 18 22 14 0 44 12	36 36 6— 7+ 20+ 54	37 13½ 41½ 43— 23 33+	☉ 1st L. ☉ 2d L. Regulus. Pole *; below. Spica Virginis. Antares. ☉ 2d L. 13 ^h 42' 23",2 mean time. Pole *; above. Very faint. Hazy.
☉ JUNE 1.	30½	8	4 37 46 40 3	41—	18+	☉ 1st L. ☉ 2d L.
2.	24—	3 2+	7 26 38— 13 12 31 16 14 41	13 7— 20—	48: 41½ 58+	Procyon. Spica Virginis. Antares.

In JUNE MDCC LX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. II / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
D 2.	12 8+		20 13 27	7	14 46-	D 2d L. 15 ^h 25' 27", 1 mean time.
δ 3.	44 42½ 59+	45 20- 47 37 4- 20- 30 56-	4 45 57½ 48 14½ 58 54 5 2 55× 42 5+ 13 12 31 21 8 26½	35½ 53 44 30½ 41- 7- 5½	49 30½ 33½ 6- 16- 42- 44-	⊙ 1st L. ⊙ 2d L. Capella. Rigel. α Orionis. Spica Virginis. D 2d L. 16 ^h 16' 21", 8 mean time.
♀ 4.	51 6 15½	49 26½ 51 43½ 52- 50½	4 50 4 52 21 6 34 28 7 26 38- 30 30	42 59 5- 13- 10-	51 20- 53 37- 41- 48- 49½	⊙ 1st L. ⊙ 2d L. Sirius. Procyon. } Faint. Pollux }
h 7.	1 9 27 Clouds 20-	47½ 4 5 55+	5 2 25+ 4 42½ 7 12 31-	13½ 5 20+ 27 12½ 6+	41 58 41½	⊙ 1st L. ⊙ 2d L. Procyon. Spica Virginis.
⊙ 8.	Clouds		4 5 54 5 2 54	59 43- 29+	32+	Capella. Rigel.
D 9.	9 25 42½ 15	10 3 12 20+ 51 50- 2-	5 10 41- 12 58½ 6 34 27½ 7 26 37+ 30 29- 14 4 39	19 13 36½ 4 12 9+ 16½	56½ 14 14+ 40 47 53+	⊙ 1st L. ⊙ 2d L. Sirius. Procyon. Pollux. Arcturus.
δ 10.	13 33 15 51	14 11+ 16 29- 2- 3-	5 14 49 17 7 14 4 39 4 58 53	15 27× 45- 16+ 43+	16 5 18 23- 53+ 32	⊙ 1st L. ⊙ 2d L. Arcturus. Capella.
♀ 11.	59½ 15+ 27+	18 20- 20 37½ 51½ 2 49½: 1½	5 18 58 21 15½ 6 34 28- 7 26 37+ 30 30- 14 4 39+	19 35½ 53½ 4 12½ 9+ 16½	20 14 22 31½ 40 47	⊙ 1st L. ⊙ 2d L. Sirius. Procyon. Pollux. Arcturus.
♀ 13.	25 59½ 24 51 12	26 37½ 28 55 1+ 27 2-	5 27 15½ 29 33+ 14 4 38½ 4 22 4- 58 52- 5 2 53	30 53½ 11+ 16- 40- 42- 28+	31½ 49 53- 16+ 31½ 4-	⊙ 1st L. ⊙ 2d L. Arcturus. Aldebaran. Capella. Rigel.
h 14.	30 8× 24	46 23 4 50+ 49 1	5 31 24½ 33 42+ 6 34 27 7 30 29- 14 4 38+	32 2 34 20½ 4- 9- 16-	40 58 39+ 52½	⊙ 1st L. ⊙ 2d L. Sirius. Pollux. Faint. Arcturus.
δ 17.		43 13½ 45 31 53 6-	5 43 51½ 46 9+ 9	47½		⊙ 1st L. ⊙ 2d L. D 1st L.
♀ 18.	49 2½ 45 56	47 23 49 40½ 17:	5 48 1- 10 47 9 4 58 51 5	48 39	49 16½ 51 34½ 48 22+ 2½	⊙ 1st L. ⊙ 2d L. D 1st L. 4 ^h 57' 50", 4 mean time. Capella. Rigel.
♄ 19.	35 31+ 22+ 21 11	59½ 59× 1-	11 36 43 13 12 28 14 4 37- 16 14 38 4 58 51	4- 14+ 17- 41-	37 55 51+ 55+ 30½	D 1st L. 5 ^h 43' 20", 5 mean time. Spica Virginis. Arcturus. Antares. Capella.
♀ 20.		57 59	5 58 37+		59 53+	⊙ 2d L.
h 21.	7 45 22	8 20½: 11 52+ 59	7 26 35- 30 27- 13 8 56× 12 28- 14 4 36+	10- 7- 9 32- 13 3 14-	44½ 46 7½ 38+ 51-	Procyon. Pollux. D 1st L. 7 ^h 7' 27", 1 mean time. Spica Virginis. Arcturus.
⊙ 22.	52 43 22-	53 19- 59	13 12 28- 53 55- 14 4 36+	3 54 31-	38+ 7- 50½	Spica Virginis. D 1st L. 7 ^h 48' 22", 5 mean time. Arcturus.
D 23.	17-	52	13 12 28- 14 4 36×	3-	38×	Spica Virginis. Arcturus.

In JULY MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
23.	38 18½	55—	14 39 31½			☽ 1st L. 8 ^h 29' 56" mean time.
24.			6 15 14½	13 35 53—	14 13 30½	☉ 1st L. ☉ 2d L.
25.	18 8 13 20½	59+ 15 16— 15½ 27 0½	6 17 6½ 16 14 38 15 54 23 53 27 37½	44½ 16 32½ 24 27: 28 14—	17 10½	☉ 1st L. ☉ 2d L. <i>Antares.</i> ☽ 1st L. 9 ^h 58' 10", 2 mean time. ξ <i>Ophiuchi.</i> 24 <i>Scorpii.</i>
26.			6 23 32½	11—	49—	☉ 2d L.
27.	24 8+ 26 26	46 27 3½ 33 49	6 25 24½ 27 42—	26 2× 28 20	40 58—	☉ 1st L. ☉ 2d L. <i>Syrus.</i>
Readjusted the Line of Collimation, which was before very nearly right. The Level was not sensibly altered.						
	20+	59 27+	16 14 38— 5 42 2+	17— 37½:	55	<i>Antares.</i> α <i>Orionis.</i>
28.	11 17 3 22+ 20+ 58 13½	52+ 59 53+	13 12 28— 14 16 14 38— 18 59 33+	3+ 14— 16½ 0 13	38+ 50½: 55 53	<i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> ☽ 2d L. 12 ^h 29' 35", 1 mean time.
29.	48— 54 27+	23—	19 38 58 43 25 55 46+	33 26	8+ 35 57 5+	α { <i>Aquila.</i> β { ☽ 2d L. 13 ^h 21' 42", 9 mean time.
30.	36 33½: 39 29	37 11½ 59— 59—	6 37 49½ 40 7— 13 12 27½ 14 4 36— 16 14 37½ 20 51 28×	38 27½ 45— 13× 13+ 16+ 7	39 5+ 41 23— 50 55— 52 46	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> ☽ 2d L. 14 ^h 13' 20", 2 mean time.
End of the Telescope touched before <i>Spica</i> passed.						
1. JULY 1.	At 10 ^h Mane I wound up the Clocks.					
Note. The Spring did not carry on this Clock while it was winding up; it seemed to hang as it came down, and it was longer than usual before it returned.						
	29½:	7:	6 Cloudy	44 40½	18	☉ 1st L. ☉ 2d L.
3.	48 44+ 36+	22 13—	6 50 0 52 17+ 4 21 49—	55+ 25+	33+ 1½	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i>
4.	52 52 55 9	53 29½	6 54 8— 14 4 23+	45+ 1—	55 24 38—	☉ 1st L. ☉ 2d L. <i>Arcturus.</i>
6.	20 37—		4			<i>Aldebaran.</i>
7.		8 6 1 17 54½	7 8 44½ 3 2 31×	9 22½ 3 8	7 44— 10 0 45	☉ 1st L. ☉ 2d L. ☽ 2d L. 19 ^h 56' 4" mean time.
8.	9 18½ 35+ 1— 35	12 13— 27 44+ 10—	7 10 34— 12 50½ 18 13 10 16 53— 28 30 19 38 45: 0 44 16	13 12— 13 28½ 29 15½	14 6 59+	☉ 1st L. ☉ 2d L. 109 <i>Herculis.</i> c <i>Serpentis.</i> α <i>Lyra.</i> α <i>Aquila.</i> Pole *; above.
9.	13 24 15 40½ 3½ 9—	14 1½ 39 46—	7 14 39 13 12 14+ 14 4 23 0 44 18 6 34 12	15 17+ 50 0½	18 55 11+ 25 37½	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> Pole *; above. <i>Syrus.</i>
10.		6+ 0½ 35—	7 18 44 18 28 30— 19 38 45	21 39 14+ 20+	59+ 55×	☉ 1st L. ☉ 2d L. α <i>Lyra.</i> α <i>Aquila.</i>
With the six foot Reflector at 20 ^h 2' 1" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 12 ^h 40' 0".						
11.	7+ 28+	45½ 45+ 48— 3+ 35	14 4 23— 16 14 24× 4 58 38— 5 2 39— 6 34 12—	0 3 28— 14+ 48+	37+ 42— 17½ 49+	<i>Arcturus.</i> <i>Antares.</i> <i>Capella.</i> <i>Rigel.</i> <i>Syrus.</i>

In JULY MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
h 12.	38-	15	7 26 53 29 9+	47 49x	24½ 24½ 41+	☉ 1st L. ☉ 2d L. Spica Virginis. Antares.
With the fix foot Reflector at 18 ^h 36' 54" by this Clock, the second Satellite of Jupiter immersed. Apparent Time 11 ^h 7' 0".						
	57½ 28	47+	9x 19 38 44+ 4 21 48½ 5 2 38½	20- 25- 28	1 17+	α Aquilæ. Aldebaran. Capella. Rigel.
☉ 13.	41+	19:	7 30 57- 33 13- 15 24 11½	50+ 51- 24½	27½ 0½	☉ 1st L. ☉ 2d L. α Coronæ Borealis. Aldebaran. Capella. Rigel.
	36- 57½	23 32 11½ 47+	4 21 48 5 2 38+	27½ 14-	17-	Arcturus. Antares.
With the fix foot Reflector at 21 ^h 34' 12" by this Clock, the third Satellite of Jupiter immersed. Apparent Time 13 ^h 55' 42".						
		44½	14 4 22- 16 14 23+	59+ 2+	40½	Aldebaran. Capella. Hazy. α Orionis.
δ 15.	40 3½	38 25 41	7 39 2½ 41 18½ 10 22 34½	39½ 56	40 17½ 42 33½	☉ 1st L. ☉ 2d L. ☉ 1st L. 2 ^h 47' 24", 9 mean time. γ } Aquilæ. α }
8 16.		47-	4 58 37- 5 2 37½ 6 34 10+:	26½ 47-	16 48- 23	Capella. } Hazy. Rigel. } Syrius.
h 17.	51 2 40 6+	29- 16- 44- 43- 34-	7 47 6 49 22- 12 3 52- 14 4 21 18 28 28- 6 34 10	59+ 58+ 12+	37 5 3- 35+ 57- 23-	☉ 1st L. ☉ 2d L. ☉ 1st L. very hazy. 4 ^h 20' 34" mean time. Arcturus. α Lyrae. Syrius.
8 18.	52+ 49 23 6+ 5- 34+	30- 58+ 43½ 43½ 7½ 35- 11-	7 51 7 53 23- 12 50 34 14 4 21- 16 14 22x 19 38 43- 4 43 10 21 47- 58 36	0+ 51 10 58 1+ 18 45 23+	37+ 45 35 39½ 53x 20 59+ 16	☉ 1st L. ☉ 2d L. ☉ 1st L. 5 ^h 3' 13", 4 mean time. Arcturus. Antares. α } Aquilæ. β } Aldebaran. Capella.
h 19.	53 53½ 35 0½ 6 56-	54 30½ 56 46 35 36 43+ 45½ 1+	7 55 8 57 23+ 13 36 12 14 4 20½ 16 14 22 4 58 36-	45½ 58 1 48 58- 25½	38 37 23½ 35- 15+	☉ 1st L. ☉ 2d L. ☉ 1st L. 5 ^h 44' 48", 3 mean time. Arcturus. Antares. Capella; below.
With the fix foot Reflector at 21 ^h 42' 16" by this Clock, the second Satellite of Jupiter immersed. Apparent Time 13 ^h 43' 43".						
☉ 20.	57 53 22 51- 4½ 26	58 30 0 46 23 29 43 45½ 1+	7 59 8 8 1 23 15 24 9½ 16 14 22- 4 58 35½ 5 2 36+ 41 46½	45½ 2 1- 49 15 1- 25½ 11+ 22-	22½ 38- 25 28 39+ 15 47- 57-	☉ 1st L. ☉ 2d L. α Coronæ Borealis. Antares. Capella. Rigel. α Orionis. Hazy.
☉ 21.	7 5½ 16 4- 55½ 26-	2 29½ 43- 53- 43- 0: 43½	8 3 7- 14 4 20- 15 8 30 16 14 21½ 4 5 7 26 18+	5 59 57 0+ 11+ 54-	37: 34+ 39- 46½ 28+	☉ 1st L. } Observed with the naked eye. ☉ 2d L. } Arcturus. ☉ 1st L. 7 ^h 8' 59", 9 mean time. Antares. Capella. Rigel. Procyon. Faint.
δ 22.	5 52- 8 06+	6 28: 8 44 42+	8 7 6 9 21+ 14 Cloudy	43+ 58½	8 20+ 10 35	☉ 1st L. ☉ 2d L. Arcturus.

In JULY MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
22.	55 41½ 4-	56 18½ 42+	15 56 57½ 16 14 21	57 35½ 0	58 13½ 38½	☉ 1st L. 7 ^h 53' 24" mean time. Antares.
23.	9 50+ 46 27+ 31 59- 55	10 27+ 12 42- 42 6- 53- 6+ 33½ 45 0+	8 11 4 16 14 21- 47 44½ 19 34 28+ 38 42- 43 8+ 4 21 46- 58 35 5 2 36-	41½ 0- 23½ 4- 17 44+ 22 25- 11	38½ 3- 52 19- 58 15- 46	☉ 1st L. ☉ 2d L. Antares. ☉ 1st L. 8 ^h 40' 6",5 mean time. γ } Aquilæ. α } β } Aldebaran. Capella. Rigel.
24.	13 47+ 3 39 41- 57 47½	25- 42- 40 20½ 44 8- 58 24½	8 15 1½ 16 14 21- 17 41 0- 44 46 50 1: 59 2+	59½ 39½ 25- 48 25 41½ 39½	38+ 42 19 46 2 51 22 16½	☉ 1st L. Antares. ☉ 1st L. 9 ^h 29' 17",7 mean time. b } α } Sagittarii. γ } 1 μ }
26.	21 42: 56- 3 4½ 13 3 26 57	22 19- 24 33 41½ 42- 18	8 22 56- 14 4 19- 16 14 21- 18	23 33 25 46½: 56+ 59½ 11-	5 33+ 38 55	☉ 1st L. ☉ 2d L. Arcturus. Antares. α Lyra.
With the six foot Reflector at 19 ^h 21' 22" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 10 ^h 55' 3".						
27.	13 3 56½ 17 31- 58½ 28 11- 27½	41½ 41+ 52½ 6- 33 49+	16 14 20½ 18 28 26- 19 34 28- 38 41+ 43 8+ 20 29 28½ 31 46+	59½ 10+ 3+ 16½ 44- 8 25½	15 38 55+ 38½ 51½ 18+ 47 4+	Antares. α Lyra. γ } Aquilæ. α } β } ☉ 1st L. } Center. 12 ^h 6' 40",4 mean time. ☉ 2d L. }
28.	47+ 31-	41½ 6-	8 30 47+ 33 1: 12 44 22 16 14 20+ 19 34 28- 38 41+ 21 27 25::	31 24+ 59+ 3+ 16½ 2:	32 1 38- 38½	☉ 1st L. ☉ 2d L. Pole *; below. Antares. γ } Aquilæ. α } ☉ 2d L. 12 ^h 59' 22",3 mean time.
29.	33 29- 35 42+ 4+ 3 31- 58x 20 14½ 33 25	34 5½ 36 19 41½ 41½ 52+ 6- 33 9x 45- 0+	8 34 42+ 36 56- 14 4 19- 16 14 20+ 19 34 28- 38 41 43 8+ 22 21 29 4 21 46- 58 35 5 2 35½ 6	35 19+ 37 33- 56 59+ 3+ 16+ 43½ 6½ 22- 25- 11-	56 38 9½ 33 38- 51+ 18½ 22 44- 58 14½ 46- 35 21	☉ 1st L. ☉ 2d L. Arcturus. Antares. γ } Aquilæ. α } β } ☉ 2d L. 13 ^h 49' 21",8 mean time. Aldebaran. Capella. Rigel. Syrius.
30.	37 23- 39 36	59½ 40 13+	8 38 36½ 40 50	39 13½ 41 27x 59x	42 3½ 38-	☉ 1st L. ☉ 2d L. Antares.
31.			8	45 20+	56½	☉ 2d L.
AUG. 1.	56	32 31-	6 7 30 10½	34 45+ 50+	21+ 30-	Syrius. Pollux.
2.		42- 31-	14 4 19 16 14 21- 7 26 18+ 30 10	56½ 59½ 53½ 50+	33½ 38 28+ 30-	Arcturus. Antares. Procyon. Pollux.
3.	54½ 31 58½ 42 15- 26- 40 36x	31+ 53- 6+ 34- 1- 41 11x	8 54 8 56 21- 19 34 28+ 38 41½ 43 9- 2 43 28 4 58 36- 5 2 36 41 46x	57½ 3½ 17- 44 5 26- 11½ 42 22	34: 52 19- 15+ 46½ 57-	☉ 1st L. ☉ 2d L. γ } Aquilæ. α } β } ☉ 2d L. 17 ^h 50' 57",8 mean time. Capella. Rigel. α Orionis.

In AUGUST MDCCCLX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4.			8 Cloudy	58 36½		☉ 1st L. ☉ 2d L. ☽ 2d L. 18 ^h 44' 13", 3 mean time.
	39 34		9 0 12:	48½		Aldebaran.
	56-	45½	3 40 49	27:		Capella.
	26-	1-	4 21 46+	26-		Rigel.
			5 2 36x			
5.	57:	33-	6 34 9+	40-	22-	Syrius.
6.	4 28	5 4½	9 7 53+	6 17½	54-	☉ 1st L.
		10	4 21 47-	8 30-	9 5½	☉ 2d L.
				23-	23 59+	Aldebaran.
7.		8 54	9 9 30½			☉ 1st L.
	56 56½		11 43-	19	55+	☉ 2d L.
			4 58 36+	26½	15½	Capella.
	56½:	33 33+	5 2 37-		3 47+	Rigel.
			6 34 9½	46	35 22+	Syrius.
8.		12 43½	9 15 32		16 44½	☉ 1st L.
		14 55½				☉ 2d L.
9.	18 8	18 43½:	9 Cloudy	35 4+	40-	☉ 2d L.
	32-	7	19 38 42	18-	53-	γ } Aquilæ.
	59½	35-	43 9½	44½	19½	α } β }
With the six foot Reflector at 0 ^h 4' 50" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 14 ^h 44' 15".						
	34+	10½	44 35	23½	59½	Pole *; above.
56 57-	57 47-	4 21 47+	58 36½	59 27-	0 16+	Aldebaran.
	2 2-	5 2 37-	6 34 10-	3 12+	47+	Capella.
25 9+	44	7 26 19+		34 46+	22½	Rigel.
				54+	29+	Syrius.
						Procyon.
11.	23 32-	24 7½	9 24 44	25 20½	28 7½	☉ 1st L.
	25 43					☉ 2d L.
12.		13 43-	16 14 22-	15 1-	39-	Antares.
		32	6 34 10-	46½	23-	Syrius.
			7 30 12-	51½	31	Pollux.
13.	35-	11-	4 21 47	23½	59½	Aldebaran.
	57-	46½	58 36½	27-	16+	Capella.
	26½	2-	5 2 37	12+	47+	Rigel.
	37	12	41 47+	22½	57½	α Orionis.
	57+	33+	6 34 10-	46+	22+	Syrius.
14.	33 18x	53½	19 34 29-	35 4x	39½	γ } Aquilæ.
	37 32-	38 6½	38 42x	39 17+	52½	α }
		42 34	43 9+	44½	44 19+	β }
		2 58-	21 40 12½	4 9½		Jupiter's Center. 12 ^h 5' 16", 4 mean time.
	10 0½	36½	22 3 33	48½	12 24½	42 } Aquarii.
	9-	44-	7 26 19	54	29-	50 } Procyon.
				30 51	30½:	Pollux.
15.	31+	53-	19 34 28½	4+	39	γ } Aquilæ.
	59	6+	38 42-	17+	52	α }
		34	43 9-	44	19	β }
	38 29	47	21 33 24-	0+		δ Capricorni.
		5	39 41½		40 53½	Jupiter's Center. 12 ^h 0' 50" mean time.
	53 30+	28½	53 5-	41		1 Aquarii.
			23 54 40+		55 50	Saturn's Center. 14 ^h 15' 26", 4 mean time.
16.	31	6+	19 38 41+	17-	51½	α } Aquilæ.
	58½	33+	43 8½	44-	19-	β }
	37 58+	38 34+	21 39 10½		40 23-	Jupiter's Center. 11 ^h 56' 23", 8 mean time.
		28	53 4x		16+	1 Aquarii.
	40 36	41 11	5 41 46+	42 22-	56½	α Orionis.
	56x	32+	6 34 9-	45	21½	Syrius.
			7 26 18+			Procyon.
17.		39	9 47 15½			☉ 1st L.
	56+	41-	49 26:			☉ 2d L.
	37 30+	38 6-	18 28 25½		54½	α Lyrae.
			19 38 41			α } Aquilæ.
			43 8			β }
	36-	11-	4 21 46-	22+	58½	Aldebaran.
			5 41 46-	21+	56x	α Orionis.
			6	45-	21+	Syrius.
18.			19 34 27+			γ } Aquilæ.
	30+	5+	38 40½	16	38 51	α }

In AUGUST MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
18.	58— 52 51+	32½ 26+	19 43 8— 23 54 1½ 5	43— 21—	55 11½ 56—	<i>β Aquilæ.</i> With the six foot Reflector at 23 ^h 19' 9" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 13 ^h 25' 0". <i>Saturn's Center.</i> 14 ^h 3' 1", 8 mean time. <i>α Orionis.</i>
19.	53 30 55 39½ 2— 24 39 30— 57+	54 5½ 56 15:: 40+ 25 18— 5— 32×	9 54 41½ 56 51½ 16 14 19+ 25 56½ 19 34 27 38 40 43 7+	17½ 58× 26 35 2½ 15½ 42½	53 3 36½: 13½ 38— 51— 17½	⊙ 1st L. } Hazy. ⊙ 2d L. } <i>Antares.</i> ⊙ 1st L. 6 ^h 32' 14" mean time. γ } α } <i>Aquilæ.</i> β }
20.	57 12½ 59 3 3 1+ 17 47—	59 58 40+ 40 18 26	9 10 0 34— 12 44 30 14 4 17½ 16 14 19— 17	1 9½ 54½ 58—	59 35 1 45 36+	⊙ 1st L. ⊙ 2d L. <i>Pole Star.</i> <i>Arcturus.</i> <i>Antares.</i> ⊙ 1st L.
21.	12 9 26 55 29	48½ 27 39½ 4+	18 13 28+ 19 38 40—	14 8 15	14 48—	⊙ 1st L. 8 ^h 11' 36", 9 mean time. <i>α Lyrae.</i> <i>α Aquilæ.</i>
22.	4 36— 16 32½ 19 44 20 20 29+ 57	5 11½ 7 21 21 2 29— 4+ 32— 10— 7—	10 7 57— 19 17 42— 21 40½ 31 56× 34 26+ 38 40— 43 7— 5 41 45— 6 34 7½ 7 18 48+	8 32½ 10 11— 22 19+ 33½ 2— 15 42 20+ 44+ 30	9 8 50½ 57½ 37— 50 16½ 45 20× 11—	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. <i>α Aquilæ.</i> 1 b } 2 b } <i>Sagittarii.</i> f } γ } α } <i>Aquilæ.</i> β } <i>α Orionis.</i> <i>Syrus.</i> <i>Castor.</i>
23.	26½ 13 1 22 11½ 26 55 37 29+ 41 57—	8 52½ 11 2 39½ 47+ 39½ 38 4½ 42 31½ 19½ 5 37	10 9 28 11 38— 16 14 18½ 17 23 23 18 28 24— 19 34 26+ 38 40— 43 7— 58 16 58 38— 20 4 19— 6 16½	10 3½ 12 13½ 57+ 59— 29 9— 39 15 42—	12 49— 15 36 24 34½ 53+ 35 37 50× 44 16½ 7 35½	⊙ 1st L. ⊙ 2d L. <i>Antares.</i> <i>α Ophiuchi.</i> <i>α Lyrae.</i> γ } α } <i>Aquilæ.</i> β } 1 } 2 } <i>Capricorni.</i> ⊙ 1st L. 9 ^h 56' 15", 1 mean time
25.	46½: 32 54½ 6½	16 13½ 4× 33 31— 7—	10 16 49 18 58½: 19 38 39½ 6 34 7× 7 18 48 26 17—	17 24½ 19 34 15— 43½ 30—	18 0: 20 9 50— 35 20 10½ 27— 28×	⊙ 1st L. ⊙ 2d L. <i>α Aquilæ.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
26.	19 18— 54	53 2+ 22 39—	10 20 28½ 22 38— 18 28 23+ 19 38 39+ 22	4½ 23 13½ 8	39½ 52½ 49+ 55 33:	⊙ 1st L. ⊙ 2d L. <i>α Lyrae.</i> <i>α Aquilæ.</i> ⊙ 2d L.
27.	22 57+: 28+	32½: 38 3+	10 23 8: 18 28 23× 19 38 39— 23 47 8½:	43½: 8— 14	18½: 52+ 49+ 48 21—	⊙ 1st L. <i>α Lyrae.</i> <i>α Aquilæ.</i> ⊙ 2d L. 3 ^h 28' 48", 1 mean time.
28.	28— 38 17	38× 2½	14 4 16— 19 38 38 0 39 28+ 44 39	22 31 53 13+ 4+	58: 6 48+ 40 40—	⊙ 1st L. ⊙ 2d L. <i>Arcturus.</i> <i>α Aquilæ.</i> ⊙ 2d L. 14 ^h 9' 4", 3 mean time. <i>Pole *; above.</i>

In SEPTEMBER MDCCCLX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 29.	31 2½ 53 22½ 33 53½	43- 57½ 8 33 29½	1 32 14+ 4 58 33- 5 2 33 6 41 43x 7 34 6-	50+ 23- 8½ 18½ 42x 28½	33 26- 12+ 43½ 53½ 18½	♄ 2d L. 14 ^h 57' 46", 2 mean time. Capella. Rigel. α Orionis. Syrius. Castor.
♂ 30.	36 1½	34 27½	10 35 3	38½		☉ 1st L. ☉ 2d L.
☉ 31.	52+ 27- 54½ 21 49- 53 48	37- 2 29½ 8- 29 40- 27½	18 28 21½ 19 34 24 38 37+ 43 5- 3 23 3½ 5 41 43- 6 34 5½ 7 26 15- 30 7x	6 59½ 12½ 40- 41+ 18+ 42 50 47	50½ 25- 47½ 14½ 24 18 53x 18 25- 26½	α Lyræ. γ } Aquilæ. α } β } ♄ 2d L. 16 ^h 40' 24", 7 mean time. α Orionis. Syrius. Procyon. Pollux.
♄ SEPT. 1.	41 8½ 20 30+ 21 21½ 52+ 22x 32+ 32 53-	42+ 57+ 7½ 29-	10 42 19 44 27½ 4 22 38 58 32x 5 2 32½ 41 42½ 6 34 5+	54 3- 16½ 22+ 8 18- 42-	38- 23 55- 12- 43- 53- 18-	☉ 1st L. ☉ 2d L. Aldebaran. ♄ 2d L. 17 ^h 35' 54", 7 mean time. Capella. Rigel. α Orionis. Syrius.
♂ 2.	44 45½ 54½ 0	45 21- 29½ 37	10 45 56 48 5- 14 4 14x	46 31½ 40 51½	6½ 15 28½	☉ 1st L. ☉ 2d L. Arcturus.
♀ 3.	52 21+	42- 57- 7-	4 58 32- 5 2 32 41 42	22- 7½ 17½	11½ 42½ 52x	Capella. Rigel. α Orionis.
♂ 4.	51 59½	35-	10 53 10:	55 54-		☉ 1st L. ☉ 2d L.
♀ 5.	57 45	58 19½	10	57 22 59 30+	0 5	☉ 1st L. ☉ 2d L.
♂ 6.	59 13 21½ 25½ 3½ 46½	48 56½ 36- 1- 27½ 38x 26	11 0 23+ 2 31½ 14 4 13+ 19 38 36- 6 34 4 7 26 13½ 30 6-	58½ 7- 51- 11+ 40½ 48½ 46-	3 41½ 46x 16½ 23½ 25+	☉ 1st L. ☉ 2d L. Arcturus. α Aquilæ. Syrius. Procyon. Pollux.
☉ 7.	49 59- 51 46+	24+ 14 4 13- 27½ 26-	11 3 59½ 6 7½ 14 4 13- 6 34 4- 7 26 13 30 6-	43- 50+ 40+ 48+ 45½	7 18- 27+ 16½ 23	☉ 1st L. ☉ 2d L. Arcturus. Syrius. Procyon. Pollux.
With the six foot Reflector at 22 ^h 8' 49" by this Clock, the second Satellite of Jupiter emerged. Apparent Time 11 ^h 2' 6".						
♄ 8.	6 25 58+ 50 25- 20 25 2½	0 35+ 34+ 0- 55+ 37½	11 7 35 9 43½ 14 4 12½ 18 28 19+ 19 38 35 4 58 30½ 5 2 31- 7 26 12½ 30 5+	19- 50- 4 10½ 20+ 6 48 45	54- 27- 48+ 45½ 10 41 27 23- 31 24½	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ. α Aquilæ. Capella. Rigel. Procyon. Pollux.
♂ 9.	10 1 58- 24+ 45½: Hazy	36 44½ 35- 59+ 37+ Hazy	11 11 11+ 13 19½ 14 4 12 19 38 35- 6 34 3 7 26 12x	13 54½ 49½ 10 39½ 47½	14 29½ 26+ 45 16- 22½	☉ 1st L. ☉ 2d L. Arcturus. α Aquilæ. Syrius. Procyon. Pollux.
♀ 10.	13 37- 45 37 23½	14 11½ 16 20	11 14 47- 16 55- 14 4 12- 19 38 34½	15 22 17 30 49 34 56½ 39 10-	18 57 5 26 44½	☉ 1st L. ☉ 2d L. Arcturus. γ } Aquilæ. α }

In SEPTEMBER MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8 10.	41 51½ 42 26½	19 43 1½	36½	44 11½	β Aquilæ.	
With the six foot Reflector at 1 ^h 3' 49" by this Clock, the first Satellite of Jupiter emerged.						
Apparent Time 13 ^h 45' 55".						
	45-	37- 24+	7 26 12- 30 4×	47- 44	22- 23×	Procyon. Pollux.
11.	56+	17 47- 33+ 58- 25×	11 18 22- 20 30 14 4 11- 19 38 33 43 0×	5 48 8+ 35+	40 25	⊙ 1st L. ⊙ 2d L. Arcturus. α Aquilæ. β } Syrius. Procyon. Pollux.
12.	47-	21½	11 21 56½ 24 4½	40- 14½	14½	⊙ 1st L. ⊙ 2d L.
With the six foot Reflector at 19 ^h 38' 34" by this Clock, the first Satellite of Jupiter emerged.						
Apparent Time 8 ^h 14' 20".						
	43-	34½ 22+	20 32 43½ 7 30 2	33 32× 45- 42-	34 21- 20-	α Cygni. Procyon. Pollux.
13.	29½ 54+ 21	24 56+ 27 4½ 31½ 30+ 56-	11 25 31× 27 39½ 14 4 9- 29 19- 18 28 15 19 38 31	6½ 14½ 46 55 c 6+	41½ 49+ 23- 32- 44+ 41×	⊙ 1st L. ⊙ 2d L. Arcturus. ⊙ 1st L. 2 ^h 57' 45", 8 mean time. α Lyrae. α Aquilæ.
14.	27 56 45 46- 24 58-	31- 20½	11 29 6- 31 14 18 28 14½ 23 46 56- 7	49+ 48 5½	24 43½ 5½	⊙ 1st L. ⊙ 2d L. α Lyrae. Saturn's Center. 12 ^h 9' 57" mean time. Procyon.
With the six foot Reflector at 1 ^h 13' 27" by this Clock, the second Satellite of Jupiter emerged.						
Apparent Time 13 ^h 41' 15".						
15.	4 41½ 26 44½ 33 5 37 18½ 41 46½	5 20- 27 29- 40½ 54 21+ 57- 32- 19½	16 5 58 18 28 13½ 19 34 16 38 29½ 56½ 7 18 38½ 26 7- 29 59+	58× 51½ 4½ 31½ 20- 42- 39+	29 42½ 35 26½ 39½ 6½ 1- 17-	⊙ 1st L. 4 ^h 26' 20", 3 mean time. α Lyrae. γ } α Aquilæ. β } Castor. Procyon. Pollux.
16.	24 56 28 39×	25 53- 31 29 18½	19 38 28+ 7 26 6 29 58½	3½ 41+ 30 38×	16 31 18-	α Aquilæ. Procyon. Pollux.
17.	38 40: 40 48 48 56½ 17 31+ 55 23- 44 52½ 17½	39 15 41 23 49 36 52 3+ 45 27 51 51½	11 39 50+ 41 58 17 50 16 19 38 27+ 20 3 43 4 7- 22 43 44 23 46 2 52 26½ 55 18: 7	40 25× 42 33 56 3- 25 37+	41 0- 43 8- 37½ 54½ 18 5+ 47 12 50 5	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. 6 ^h 2' 31", 2 mean time. α Aquilæ. 1 α } Capricorni. 2 α } Fomalhaut. Saturn's Center. 11 ^h 57' 18", 2 mean time. 29 } Piscium. 33 } 5 Pegasi. Pollux.
19.	33 2- 37 15½	47- 5½ 42 18-	19 34 12½: 38 25½: 53-	39 1+ 43 28-	36 44 2½	γ } Aquilæ. α } β }
20.	48 14½ 35 58	25 24 49+ 36 37: 51	14 4 3- 18 28 9- 19 38 25- 20 37 16- 7 29 55	39+ 53+ o 55: 35-	16½ 35+ 38 34: 14½	Arcturus. α Lyrae. α Aquilæ. ⊙ 1st L. 8 ^h 37' 18", 3 mean time. Pollux.
21.	33 0- 37 13½ 41 41- 35-	53 34 55 42 35 48½ 42 15½ 6½ 14+	11 54 9- 56 16½: 19 34 10½: 38 24- 51- 7 26 2- 29 54	56 51½ 46- 38 59+ 43 26 37- 34-	57 26½ 35 21 39 34 44 1 12- 13+	⊙ 1st L. { Hazy. ⊙ 2d L. } γ } Aquilæ. α } β } Procyon. Pollux.

In OCTOBER MDCC LX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
22.	33 $\frac{1}{2}$ 12+ 26 9 $\frac{1}{2}$ 33 4 43 22:	8 47 $\frac{1}{2}$ 15 46+ 39 $\frac{1}{2}$	11 57 43 Cloudy 19 38 23- 42 50- 22 27 23 $\frac{1}{2}$ 34 16 40 8 41 12 $\frac{1}{2}$ 23 44 33	58 25 28 1- 52- 49 45 8	1 1+ 33 38- 28 37 23 25 $\frac{1}{2}$ 43	☉ 1st L. ☉ 2d L. α } <i>Aquilæ</i> . ☽ 1st L. 10 ^h 19' 18",6 mean time. 1 τ } 2 τ } <i>Aquarii</i> . 74 } δ <i>Pegasi</i> . ♄ <i>Saturn's Center</i> . 11 ^h 36' 15",5 mean time.
23.	2 17 0 1+	22× 58- 51 21 36:	12 14 3 26 $\frac{1}{2}$ 22 43 39- 51 57- 23 1 11+	1 53 $\frac{1}{2}$ 4 2- 37- 19 $\frac{1}{2}$ 47-	2 28 4 36+ 14- 59 $\frac{1}{2}$	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . <i>Fomalhaut</i> . 1 h } <i>Aquarii</i> . φ }
24.	3 44- 5 52-	4 18 $\frac{1}{2}$ 6 26 $\frac{1}{2}$ 11 $\frac{1}{2}$	12 4 53 $\frac{1}{2}$ 7 2- 7 25 59- 29 51+	5 29- 37- 34- 31	6 3 8 11 $\frac{1}{2}$: 9- 10 $\frac{1}{2}$	☉ 1st L. ☉ 2d L. <i>Procyon</i> . <i>Pollux</i> .
25.	18 $\frac{1}{2}$	53×	12 8 28× 10 36 $\frac{1}{2}$:	12- 11 46 $\frac{1}{2}$		☉ 1st L. } Windy. ☉ 2d L. }
27.	1 12×		12 15 39+ 3 2 26	14 $\frac{1}{2}$ 3+	3 40	☉ 1st L. ☽ 2d L. 14 ^h 34' 1",6 mean time.
28.	2 40× 6× 34-	3 17+ 41 $\frac{1}{2}$ 9-	12 21 24- 14 19 38 17- 42 44- 7	34 39 52 19 27	33-: 14 27 54- 6 $\frac{1}{2}$	☉ 2d L. Windy. <i>Arcturus</i> . γ } <i>Aquilæ</i> . α } β } Pollux.
29.	3 32 $\frac{1}{2}$ 56 $\frac{1}{2}$	7 $\frac{1}{2}$ 40 46 $\frac{1}{2}$	19 38 15 $\frac{1}{2}$ 42 42+ 5 5 15- 10 19 $\frac{1}{2}$ 22 30- 41 22-	51- 17 $\frac{1}{2}$ 54 59× 57-	26- 52+ 6 33- 5	α } <i>Aquilæ</i> . β } ☽ 2d L. 16 ^h 28' 40",7 mean time. ε } <i>Tauri</i> . ζ } α <i>Orionis</i> .
30.	31	38 $\frac{1}{2}$ 6	19 38 14- 42 41-	49+ 16+	24+	α } <i>Aquilæ</i> . β }
Oct. 1.	12 55- 40+ 24-	17 41- 15 $\frac{1}{2}$ 3 $\frac{1}{2}$	7 14 14 18 22+ 25 51- 29 43	54- 4- 26- 23-	15 33- 44 $\frac{1}{2}$ 1- 2 $\frac{1}{2}$	☽ 2d L. 18 ^h 29' 30",3 mean time. <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
3.	14 40 $\frac{1}{2}$	15 18 $\frac{1}{2}$	9 15 57-	16 25+	18 13	☽ 2d L. 20 ^h 23' 4",4 mean time.
4.	39 43- 41 51 $\frac{1}{2}$ 36 57× 25	40 18- 33 18 $\frac{1}{2}$ 37 32+ 0-	12 40 53- 43 1 $\frac{1}{2}$ 19 34 54× 38 7 $\frac{1}{2}$ 42 35-	35 29 $\frac{1}{2}$ 43- 10-	2 $\frac{1}{2}$ 36 4 $\frac{1}{2}$ 39 18 45-	☉ 1st L. ☉ 2d L. γ } <i>Aquilæ</i> . α } β }
6.		47 32- 6 $\frac{1}{2}$ 15-	12 48 7 7 18 13+ 25 42- 29 34	50 51 $\frac{1}{2}$ 54 $\frac{1}{2}$ 17- 14-	27- 35 $\frac{1}{2}$ 51 $\frac{1}{2}$ 53+	☉ 1st L. ☉ 2d L. <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
9.	With the fix foot Reflector at 23 ^h 59' 58" by this Clock, the second Satellite of Jupiter emerged. Apparent Time 10 ^h 58' 7",9.					δ <i>Andromedæ</i> . β <i>Ceti</i> .
10.	31+	6+	13 2 42- 4 52-	27	2	☉ 1st L. ☉ 2d L.
11.	11	46+	13 6 2- 8 31 $\frac{1}{2}$ 14 3 33-		42	☉ 1st L. ☉ 2d L. <i>Arcturus</i> .
13.	41 8 $\frac{1}{2}$	16+	13 34 38- 37 51 $\frac{1}{2}$ 42 18 $\frac{1}{2}$	16 29: 14- 27-	4- 48 $\frac{1}{2}$ 2- 28 $\frac{1}{2}$	☉ 2d L. γ } <i>Aquilæ</i> . α } β }
18.	31+ 19+	6 56	19 37 41+ 21 0 34-	17- 11 $\frac{1}{2}$		α <i>Aquilæ</i> . φ <i>Capricorni</i> .

In NOVEMBER MDCC LX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. 11 / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
18.	5 45	6 23½ 16 57 19 28½ 24 47½	21 7 2 11 33× 13 38- 17 32 21 20 5+ 25 23½ 52 5-	41- 42- 22 51½ 26 0+	8 19× 36½	1st L. 7 ^h 17' 37", 2 mean time. ζ } Capricorni. δ } β Aquarii. Jupiter's Center. 7 ^h 30' 38", 1 mean time. ε } Capricorni. γ } α Aquarii.
19.	15	50 3½	19 33 25½ 37 39	1 14+	36+ 49+	γ } Aquilæ. α }
20.	53× 52 49	7- 29- 25+	13 39 42× 41 54 14 19 38 4+ 42 4 20 31 47½ 22 42 54- 54 2½ 23 3 58½ 5 1+	30- 52½ 39 34½	5 29× 14- 44 15- 55 16-	1st L. 2d L. Arcturus. α } Aquilæ. β } α Cygni. Fomalhaut. 1st L. 8 ^h 56' 33", 3 mean time. 2 ↓ } Aquarii. 3 ↓ }
21.		59½	19 37 35-	10		α Aquilæ.
22.	38 54+	30 25+	0 40 6- 49 0+	36-	41 17+	1st L. 10 ^h 34' 31" mean time. ε Piscium.
24.	33 1½ 5½	37- 56+ 31- 19	22 51 13 2 34 19 48 9+ 7 17 38- 25 6× 28 59-	49+ 56 19½ 41+ 38½	35 32+	β Pegasi. 2d L. 12 ^h 20' 40", 3 mean time. α Ceti. Castor. Procyon. Pollux.
25.	33 35+ 20+	56½	3 34 50½ 4 20 33- 26 15- 57 23- 5 1 23-	28+ 9+ 13 58	36 6- 45 2½ 3+	2d L. 13 ^h 17' 7", 2 mean time. Aldebaran. τ Tauri. Capella. Rigel.
31.	8+ 49+	49+ 24+ 12+	21 25 2- 7 17 31- 24 59+ 28 51+	12+ 34+ 32	53+ 9+	γ Capricorni. Castor. Procyon. Pollux.
Nov. 1.	At 11½ Mane I wound up the Clocks, and put this forward about 1'. The Spring failed in carrying on the Clock as on 1st July last. I raised or shortened the Pendulum 1— Division.					
2.	36 16+	36- 59-	22 41 12½ 43 39½ 51 29+ 11 37 28+	49 20+ 4+	38 40	δ Aquarii. Fomalhaut. β Pegasi. 2d L. 20 ^h 46' 1", 7 mean time.
3.	36 11- 39 59-	20+ 46 14- 43+ 35	14 28 5 18 38 21+ 19 42 49 20 32 32× 22 41 12-	37 26: 50- 57- 24- 21× 48+	34+ 32× 58½ 10	2d L. α Lyrae. α } Aquilæ. β } α Cygni. δ Aquarii.
5.	34- 9	Cloudy 44 47-	18 28 3- 19 38 19+ 22 51 26	54½ 5	32- 29½	α Lyrae. α Aquilæ. β Pegasi.
6.	41+	18½	14 3 56-	33+	Windy	Arcturus.
7.	15	49 51½ 42× 40-	14 50 20: Clouds 19 38 17½ 20 32 28+	53 20 53 17+	28+ 6	1st L. 2d L. α Aquilæ. α Cygni.
21.	46 43½ 49 2½	47 20½ 39½ 41 29+ 51 55 55 53½ 8 35- 8+ 31½	15 47 58- 50 17- 19 2 42 6× 53 8- 57 7½ 3 0 3 4 5 20 13 48 21 21- 32 41	48 35+ 50 54: 38 48½ 38 3½ 42½ 45 20 44× 40- 56 25- 57 16	49 12 51 31 38: 43 19 57- 21- 16½ 32 2- 33 50½	1st L. 2d L. α Aquilæ. σ } 3 ρ } Arietis. ε } δ } 1st L. 10 ^h 55' 28", 8 mean time. γ } Tauri. ε } Aldebaran. μ Eridani.

In DECEMBER MDCC LX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
21.	12 31+ 0 0-	53- 21 35+ 39½	4 40 35- 58 11 5 2 11- 10 19	16+ 1+ 46 58½	57+ 51 21 38	<i>Aurige.</i> <i>Capella.</i> <i>Rigel.</i> <i>β Tauri.</i>
22.	55½ 53 9½ 1 44 4 13½ 12 34 20 7½	33- 2 22½ 4 52- 13 10½ 43½	15 52 10 54 30: 3 54 23½ 4 3 0½ 5 30 13 47½ 21 20+	55 6+ 3 39 14 25- 56½	43½ 55 36½ 15 1 22 32+	☉ 1st L. ☉ 2d L. 1 <i>α Tauri.</i> ☽ 1st L. ☽ 2d L. } <i>Center. 11h 56' 40", 9 mean time.</i> 1 <i>α Tauri.</i> <i>Aldebaran.</i>
23.	55 8½ 51+ 13 30+ 24 21½ 32 33- 41 12 48 29 54 6- Cloudy 51 35+ 56 31- 0 59+ 11 16+ 40 10	45½ 31- 14 6 25 1½ 33 11- 41 55+ 49 4 54 48 26 38+ 55 17+ 47 39+ 52 13- 57 20 1 34+ 40 45-	15 56 23+ 58 42½ 23 55 10 0 4 42½ 25 41½ 33 48+ 42 39+ 49 39 55 31- 9 29 27 18 56 11 48 26- 52 50½ 4 58 10+ 5 2 10- 12 35 41 20	57 1 59 20 49½ 5 19 26 22 34 26+ 43 23 50 14+ 56 13 10 36½ 27 58 57 5 49 12- 53 28½ 59 0+ 2 45 13 14½ 41 55+	38- 57+ 28½ 5 55 27 1½ 35 4- 44 6½ 50 49 56 55+ 11 41- 27+ 57 59 49 58+ 54 6 59 50 3 20 13 54- 42 30+	☉ 1st L. ☉ 2d L. <i>α Andromedæ.</i> 47 <i>Pisium.</i> δ } <i>Andromedæ.</i> ε } 1 <i>Pisium.</i> β <i>Andromedæ.</i> δ <i>Castropeia.</i> d <i>Trianguli.</i> g <i>Persei.</i> γ <i>Andromedæ.</i> α <i>Arietis.</i> <i>Capella.</i> <i>Rigel.</i> ☽ 2d L. 12h 59' 48", 3 mean time. α <i>Orionis.</i>
24.	16 26½ 18 46½	17 4- 19 24	16 17 41½ 20 2- 19	18 19 20 39+ 38 44½	56½ 21 16½	☉ 1st L. ☉ 2d L. α <i>Aquilæ.</i>
DEC. 1.	This Clock was wound up, but the Hand was stopped several Seconds.					
4.	42 3½ Cloudy 36 38 30 21 24 46 19 30	42 41+ 26 47 37 13 31 10- 25 26 20 10	16 43 19- 45 40½ 18 27 32- 19 37 48x 20 31 59- 22 26 5- 23 20 50½	46 18 28 17 38 24- 32 47½ 26 45 21 31+	46 56 28 58½ 33 36- 27 24+ 22 11+	☉ 1st L. ☉ 2d L. α <i>Lyrae.</i> α <i>Aquilæ.</i> α <i>Cygni.</i> 1 <i>Pisces Aust.</i> 72 <i>Pegasi.</i>
5.	2 12	2 49	14 3 26+	4 4-	4 40½	<i>Arcturus.</i>
6.	50 47 8½ 36 37 Cloudy 49 36 6 16- 10 55 16 48½ 22 58x 32 9 53 27½	51 25- 53 46+ 37 12 50 15+ 56 6- 6 53½ 11 32+ 17 32+ 23 48- 32 44+ 54 7	16 52 2½ 54 24 19 37 47+ 22 43 5 50 54+ 56 41 23 7 31+ 12 10 18 16½ 24 37½ 33 19½ 54 46+	41- 55 2 28 22½ 51 33+ 57 16+ 8 9 12 48- 19 1- 25 27- 33 55- 55 25½	53 18 39½: 28 57+ 25½ 52 12x 57 51½ 8 46+ 13 25 19 45- 26 16 34 30- 56 5+	☉ 1st L. ☉ 2d L. α <i>Aquilæ.</i> <i>Fomalhaut.</i> β } n } <i>Pegasi.</i> τ } 68 } 14 } <i>Andromedæ.</i> λ } <i>Saturn's Center. 6h 30' 44", 5 mean time.</i> α <i>Andromedæ.</i>
9.	15 8+ 22 56- 41+::	50 38- 15 44 23 47- 31 18	2 51 23+ 3 16 20- 24 38- 32 56+	52 9+ 16 55½ 25 29	52 54+ 17 31 26 20 33 11+	β <i>Persei.</i> f <i>Tauri.</i> δ <i>Persei.</i> η <i>Tauri.</i>
10.	The Clock was stopped 9" or 10".					
	54 44 10 39+ 5 35 12 45½ 20 38+	48 38 55 19 59 47 11 17 32 50 13 10½ 21 13 25 7 28 48½ 56 41+ 0 56 8 59+	22 49 24+ 55 54+ 23 0 22 11 55- 23 33 25: 0 6 45½ 1 52 12- 2 13 56- 21 48 25 42 29 23+ 4 57 31+ 5 1 31+ 9 39	50 11- 56 29½ 0 57- 12 32½ 34 0½ 7 55½ 52 27 14 31 22 23+ 26 17 29 58+ 58 21½ 2 6½ 10 19	50 56½ 57 4+ 1 32- 13 10 7 55½ 52 27 15 6 22 58+ 51½ 30 33 59 11½ 2 41 10 58	o <i>Andromedæ.</i> m <i>Pegasi.</i> φ <i>Aquarii.</i> 68 <i>Pegasi.</i> <i>Saturn's Center. 6h 15' 20", 8 mean time.</i> d <i>Pisium.</i> α <i>Arietis.</i> ξ <i>Ceti 2d ad.</i> ν } δ } <i>Ceti.</i> γ } <i>Capella.</i> <i>Rigel.</i> β <i>Tauri.</i>

In DECEMBER MDCCCLX.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
10.	1 56½	2 33½	5 18 15½ 14 3 11—	18 50+ 3 48+	19 25× 4 25	δ Orionis. Arcturus.
11.	12 30+ 25 46 39 47 58 31+ 9 20½ 25 28 36 38 56 18 19 28+	13 8½ 26 30+ 40 23+ 59 7— 9 56— 26 21½ 37 17½ 51 33½ 20 4½	17 13 46+ 16 9— 18 27 15+ 20 31 42— 21 40 59½ 0 59 42— 1 10 31 27 15+ 37 57+ 52 11+ 58 30— 4 20 40½	16 46× 28 0 32 30½ 0 17 11 6½ 28 9+ 38 37 52 49 21 1½—	17 24 28 44+ 33 19 42 11+ 0 52 11 42— 29 2+ 39 16½ 26½ 41½ 31 53—	⊙ 1st L. ⊙ 2d L. α Lyrae. α Cygni. Jupiter's Center. 4 ^h 19' 24" mean time. ε Piscium; double. θ Ceti. φ Andromedæ. α Trianguli. α Arietis. 19 } Aldebaran.
13.	6 33+ 10 34 13 22 13 55 5½ 0 35½ 32 34 10 26— 50 56 19 28	7 7½ 11 11½ 22 48½ 39 45 1 12— 8 11 33 9 11 0½ 51 33 20 4	22 7 44— 11 49 40 21½ 51 17+ 23 1 46+ 8 48½ 33 44+ 0 5 40 11 35+ 1 52 11 4 20 40+	8 18 12 26½ 15 31— 40 58 53× 2 22— 9 26 6 15½ 12 10 52 49 21 16½	13 4 17 34½ 52 29+ 2 57 10 3½ 34 55+ 6 51 12 45 53 26 22 53—	γ Aquarii. ⊙ 1st L. 4 ^h 42' 11",9 mean time. δ } Aquarii. g 2 nd ad. δ Aquarii. α Pegasi. ⊙ } Aquarii. Saturn's Center. 6 ^h 3' 53",7 mean time. ι Ceti. 44 Piscium. α Arietis. Aldebaran.
14.	0 41½ 32 41½ 42 2— 46 5½ 8 7½ 28 9½ 38 27 2 55 51— 19½ 39 30+	1 17½ 33 16+ 42 37 46 40 8 42× 12 32— 25 5½ 34 44+ 39 1½ 46 39 56 41— 55 8 58½ 40 6—	23 1 54+ 33 51+ 2 43 12— 47 15 4 9 17½ 13 8 20 40+ 25 41½ 35 20— 39 36+ 47 16½ 57 31— 5 1 30½ 9 38+ 40 41—	43 48 47 50 9 53 13 44 21 16+ 17: 35 55+ 40 12— 47 54— 58 21— 2 6— 10 18+ 16	3 7+ 35 1½ 44 23 48 24½ 10 28+ 14 21 21 53— 53½ 36 30 40 46+ 48 31 59 11— 10 58 41 51	⊙ 1st L. 5 ^h 28' 13" mean time. Saturn's Center. 6 ^h 0' 4",9 mean time. η Eridani. α Ceti. r } Tauri. Aldebaran. 53 Eridani. ι Orionis. ω Eridani. ι Tauri. Capella. Rigel. β Tauri. α Orionis.
15.	30 11½	30 49× 33 12+	17 31 27+ 33 50+	34 28	35 6	⊙ 1st L. ⊙ 2d L.
17.	21— 43 50 5 11+ 3 32 7 55+	36 55½ 30 52 44 26 33 40 50+ 30 38 32 43— 51 33	19 37 31— 20 31 41 21 45 2+ 23 34 15 54 30— 1 31 13+ 33 19— 52 10½ 4 20 40—	38 6× 32 30 55 9 31 48½ 52 48	38 41+ 33 18+ 46 14 48+ 34 30× 25½ 21 52:	α Aquilæ. α Cygni. Jupiter's Center. 3 ^h 59' 47",1 mean time. Saturn's Center. 5 ^h 48' 41",6 mean time. α Andromedæ. α Piscium. ⊙ 1st L. 7 ^h 47' 25",7 mean time. α Arietis. Aldebaran.
20.	22+	53 0+	17 53 38 56 0½ 18 27 13½	56 38+	57 17—	⊙ 1st L. ⊙ 2d L. α Lyrae.
22.	1 15½ 38 31 19½ 30 50 51 44+ 21½ 55+	1 53+ 26 29 39 12 56 39 0 54 58+ 40 5 26+ 24+ 17 2½ 37 25× 2 32½	18 2 32— 4 54½ 27 14— 4 39 54— 57 30 5 1 29½ 9 38 40 40 6 33 3— 53 4+ 7 17 44 25 12 29 5 14 3 10—	5 33— 27 58+ 40 35 58 20 2 5 17½ 41 15 33 39+ 53 44 18 25½ 25 47 29 45 47	6 11— 28 43— 41 16 2 40 41 50 34 15 24 6½ 4 24+	⊙ 1st L. ⊙ 2d L. α Lyrae. ι Aurigæ. Capella. Rigel. β Tauri. α Orionis. Sirius. ⊙ 2d L. 12 ^h 46' 40",4 mean time. Castor. Procyon. Pollux. Arcturus.
23.	5 42+	6 20+	18 6 58+			⊙ 1st L.

In DECEMBER MDCCCLX.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
23.			18 9 21	9 59	10 37	☉ 2d L. Hazy.
26.	37+ 41 10 19 26+ 50 18x 30- 0 14½ 2-	35 12+ 15½ 53 49½ 20 2½ 56 40- 54 57+ 40 5-	23 35 47- 44 50+ 54 29- 1 52 10- 4 20 38½ 5 57 30- 5 1 29+ 9 37½ 40 40 11 1 27 7 12-	25½ 38+ 21 15+ 58 20 2 5- 17½ 15 3½ 48	56+ 46 0 47+ 25 51½ 59 9½ 2 40- 56½ 50 39½ 8 22	Saturn's Center. 5 ^h 14' 50", 5 mean time. 27 Piscium. α Andromedæ. α Arietis. Aldebaran. Capella. Rigel. β Tauri. α Orionis. ☽ 2d L. 16 ^h 38' 38", 3 mean time. σ Leonis.
27.	30- 37+ 56-	4+ 2 32½	11 30 39+ 51 49- 14 3 10	14 47½	49 53 0+ 24+	β Virginis. ☽ 2d L. 17 ^h 24' 56", 4 mean time. Arcturus.
29.	34 43 50 55 17+ 31 27½ 51- 19 50 22 3- 46 52- 24 23 56	32 59 35 21- 51 32+ 9 25 28 25 5½ 20 3½ 56 40 54½ 58 26½ 17 4- 38- 26- 27- 2 33	18 33 37 35 59- 1 52 10+ 2 10 27½ 22 3½ 25 41- 4 20 40 57 30 5 1 30- 9 38 6 33 3+ 7 17 45- 25 13- 29 5½ 13 11 2+ 25 34+ 14 3 10+	34 15 36 37 48 11 3 39 16- 16½ 20+ 2 5 10 18 33 40- 18 26 48- 29 45+ 11 38- 26 10+ 48-	53 37 15- 25+ 11 38 14+ 50 52½ 10 2 40 10 57 34 16- 19 7+ 3- 30 25 12 13 46- 25-	☉ 1st L. ☉ 2d L. α } Arietis. ξ } δ Ceti. Aldebaran. Capella. Rigel. β Tauri. Sirius. Castor. Procyon. Pollux. Spica. ☽ 2d L. 18 ^h 50' 34", 2 mean time. Arcturus.

In JANUARY MDCCCLXI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
JAN. 1.	At 11 ^h Mane I wound up the Clocks. The Spring failed to carry this forward as usual, which stopped the Clock 15" nearly.					
2.	49 37½ 59 Cloudy 19 2 54- 25+	50 15 52 37 19 38+ Cloudy 29+ 8 33 32 2-	18 50 53 53 15 11 4 20 14½ 5 1 5- 9 13- 40 15 6 32 38	51 31+ 53 53 37 39+ 20 51 1 40 9 52½ Cloudy 33 15-	52 9- 54 30½ Cloudy 21 27 58 45- 15: 10 32 33 51-	☉ 1st L. ☉ 2d L. Saturn's Center. Aldebaran. Capella. Rigel. β Tauri. α Orionis. Sirius.
11.	58 2 59 11 26 18 59	29 35½ 3 35- 12 2 19 35+	19 30 13 32 35-: 4 4 11 12 39 20 12-	33 12 47 13 16 20 48	33 49+ 5 23 13 52 21 24	☉ 1st L. ☉ 2d L. γ } Tauri. ε } Aldebaran.
12.	18 59 24 38 22 2½ Cloudy 51	19 35 25 15 57- 38 44- 56 12 Cloudy Cloudy	4 20 12- 25 53+ 31 31½ 39 25+ 57 2 5 1 1½ 9 10 40 12	20 48 26 31 32 6½ 40 7 Cloudy Cloudy 9 49½ Cloudy	21 24 27 9- 32 41 40 48 12 10 29	Aldebaran. τ Tauri. μ Eridani. ι Aurigæ. Capella. Rigel. β Tauri. α Orionis.

In JANUARY MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♂ 13.	37 36½	38 13½	19 38 51+	41 49½	42 26½	☉ 1st L. ☉ 2d L.
♀ 16.	15½	26 0	18 26 45-	Cloudy	28 13½	α Lyræ.
♂ 17.	54 45 5- 57 42 I put a little oil to the Crutch and Pallets of this Clock.	55 22½ 57 42	19 56 0- 58 19½	37 57-	57 14 59 34-	☉ 1st L. ☉ 2d L.
☉ 18.	59 0 18 24+ 57- 35+ 30+ 19+ 49+ 10 43 25½	59 37+ 56+ 51 1½ 19 33- 25 13 44+ 46 8- 56 10- 25- 8 28 11 23- 25 22 2 3-	20 0 15- 2 34+ 0 42 17 1 51 39+ 4 20 9+ 25 51- 35 20 46 45+ 57 0- 5 0 59 6 12 2½ 12 42 18- 13 10 32 14 2 40+	52 3 11½ 52 17 20 45½ 26 29- 56 47 23- 50- 1 34+ 9 47- 42½ 59 13 3 17½	49- 52 55- 21 22- 27 6+ 36 33+ 48 0+ 40- 2 9+ 13 22½ 11 43 3 54+	☉ 1st L. ☉ 2d L. Pole *; above. α Arietis. Aldebaran. τ } Tauri. i } Capella. Rigel. β Tauri. ☉ 1st L. 10° 20' 5", 4 mean time. Pole *; below. Spica. Arcturus.
♀ 23.	Cloudy 22: 51 50 1½ 26 10-	20 46- 35- 56 11 26 30- 36½	20 21 22½ 23 41+ 4 20 11 57 1½ 5 1 1+ 9 9½ 40 11½ 11 27 41+	24 18: 47+ 57 52- 1 36½ 9 49 47½ 18-	24 55 23+ 58 41 2 11 28½ 22½ 28 54	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. β Tauri. α Orionis. ☉ 2d L. 15° 15' 10", 8 mean time.
♂ 24.	22+ 51+ 50½ 6- 2 54+ 23 34½ 18½ 16 45-	25 18 11½ 26+ Cloudy 20 43- 37 35½ 27 57½ 25 23	0 42 18 4 57 2 5 1 1½ 9 10 21 20 40 12 6 32 35- 7 17 17- 24 44½ 28 38- 12 17 56+ 42 19	59 17 52+ 1 37 49+ 58- 47½ 12- 17 58+ 18- 18 32 Cloudy	42- 12- Cloudy 34+ 22½ 48- 39+ 54½ 57 8-	Pole *; above. Capella. Rigel. β } Tauri. ξ } α Orionis. Syrius. Castor. Procyon. Pollux. ☉ 2d L. 16° 1' 21", 6 mean time. Pole *; below.
☉ 25.	28 31 30 49- 22 52- 4 42½ 25	29 8- 31 25½ 35 56 12 27- Cloudy 25 23 10 0+	20 29 45- 32 2½ 4 20 12- 57 3- 5 1 2 9 10 12 42 19 13 5 54- 10 36-	30 22- 39½ 20 48+ 53 37+ 50 59 20 6 30- 11 11½	33 58½ 16 24+ 42 12+ 29+ 7 05+ 46+	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. β Tauri. Pole *; below. ☉ 2d L. 16° 45' 14", 1 mean time. Spica.
♂ 27.	36 49½	37 27-	20 38 3+ 40 21	40 58-	41 34½	☉ 1st L. ☉ 2d L.
♀ 30.	12+ 22 50 28½ 2 23 19 1+ 7 53	49 39- Cloudy 51 6+ 44 52 53 40 3 2½ 19 37+ 56 14 29+ 8 32+ 39 39+	20 50 25½ 52 42+ 1 51 44 3 45 28- 54 19- 4 3 41+ 20 14½ 57 4+ 5 1 4 9 12 40 14+	53 19 59 19 52 22- 46 3½ 54 57 4 21 57 54+ 1 39 9 52 40 50-	53 55+ 1 16½ 52 59½ 59+ 21 26+ 10 31	☉ 1st L. ☉ 2d L. Pole *; above. α Arietis. λ } Tauri. ρ } Aldebaran. Capella. Rigel. β Tauri. α Orionis.
☉ FEB. 1.	This Clock was wound up and put two minutes forward.					
	21 2- 25+ 53+ 4½ 25 57½	2- 58 15 10 33 41 40 1½ 38½	4 59 5 5 3 4+ 11 13- 42 15- 6 34 37½ 7 19 20-	59 55 3 40- 52+ 50+ 14 20 1+	23 26+ 45 15- 31½ 25+ 50 42+	Aldebaran. Capella. Rigel. β Tauri. α Orionis. Syrius. Castor.

In FEBRUARY MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. ¹	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 1.	38- 21+	26 12½ 30 1-	7 26 47½ 30 41-	23 31 21-	58- 32 0-	<i>Procyon.</i> <i>Pollux.</i>
☽ 2.	3 27+	4 3½	21 4 40- 6 56+	7 32½	8 9-	☉ 1st L. ☉ 2d L.
♂ 3.	30½ 57 26+ 9 55-	8 7+ 21 40- 58 16+ 30+ 10 34+	8 43+ 10 59+ 4 22 16 59 6+ 5 3 5½ 11 14	11 36- 22 52+ 56+ 3 41 11 54-	12 12 46 4 16 12 33+	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>β Tauri.</i>
♀ 4.	11 33½	12 10-	21 12 46+ 15 2	15 38½	16 14½	☉ 1st L. ☉ 2d L.
♂ 5.	35+	16 11½	21 16 47½ 19 3½	19 40-	20 16-	☉ 1st L. ☉ 2d L.
☿ 7.	23 37-	Cloudy	21			☉ 1st L.
☉ 8.	29+ 43	19+ 33+ 37+ 31+	4 59 9+ 5 3 9- 11 17+ 20 33 20½	59+ 44 57 9½	49+ 58	<i>Capella.</i> <i>Rigel.</i> <i>β Tauri.</i> <i>α Cygni.</i>
♀ 11.	57 31+ 10 0 18 45½ 41 11 33 31½	58 21½ 35+ 10 39+ 19 20+ 41 46+ 34 8-	4 59 11+ 5 3 10+ 11 19 19 55 42 21½ 6 34 44+	0 1½ 45+ 59- 20 30 42 56½ 35 20½	0 51+ 20+ 12 38+ 21 5- 43 32-	<i>Capella.</i> <i>Rigel.</i> <i>β Tauri.</i> <i>δ } Orionis.</i> <i>α } Orionis.</i> <i>Syrus.</i>
♀ 13.	47 22½ Cloudy	47 58- 58 22	21 48 34- Cloudy 4 22 21+ 59 12- 5 3 11:	22 57½ 0 2	52 59+ 0 52	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i>
☽ 16.	59 4 10 3 18 49 17 7+ 25 47 29 31 58 7½	59 40+ 10 43- 19 23½ 17 48+ 30 11 58 47	22 0 16- 2 28+ 5 11 22 19 58+ 7 19 30- 26 57 30 50½ 59 26+	3 4+ 12 2+ 20 33+ 20 11+ 27 33- 31 30+	3 40+ 12 41+ 21 8+ 20 52 28 7½ 32 10 0 45½ 18 23	☉ 1st L. ☉ 2d L. <i>β Tauri.</i> <i>δ Orionis.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> ☉ 1st L. 10 ^h 10' 55", 6 mean time. <i>Pole *</i> ; below.
♂ 17.	2 57+ 21 12+ 57 35½ 10 4- 35½ 2 40+	21 48+ 58 25+ 10 43 34 12	22 1 4 22 24+ 59 15½ 5 11 23 42 25½ 6 34 48 9 3 57-	1 19 23 0+ 50 5½ 12 3- 43 1-	7 32+ 17 14 23 37- 0 55+ 12 42+ 43 35+ 36 1+ 5 13	☉ 1st L. ☉ 2d L. <i>Pole *</i> ; above. <i>Aldebaran.</i> <i>Capella.</i> <i>β Tauri.</i> <i>α Orionis.</i> <i>Syrus.</i> ☉ 1st L. 11 ^h 11' 18", 4 mean time.
♀ 18.	6 49 21 12½ 52 18+ 57 35½ 2 4+ 10 4+	7 24- 21 48½ 52 55+ 58 25½ 2 40 10 44	22 7 59½ 10 12½ 4 22 25 53 32 59 15½ 5 3 15 11 23½ 14 46+ 18 24+ 42 25½ 10 4 25½ 6 46½	10 48+ 54 9 0 5½ 3 50 15 25-	Cloudy 23 37+ 54 45 0 55½ 4 25 12 42+ 16 2- 35½ 5 40+ 8 1+	☉ 1st L. ☉ 2d L. <i>Aldebaran.</i> <i>m Tauri.</i> <i>Capella.</i> <i>Rigel.</i> <i>β } Tauri.</i> <i>118 } Tauri.</i> <i>119 } Orionis.</i> ☉ 1st L. 12 ^h 7' 41" mean time. ☉ 2d L.
♂ 19.	2 13 2 5- 5 48 32	21 49+ 2 40+ 10 44+ 49 10	4 22 26- 59 16 5 3 15½ 11 24 49 48	0 6 3 51+	23 38 0 56 4 26- 12 43	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>β Tauri.</i> <i>H Geminorum.</i>
♀ 20.	14 30+	15 5½	22 15 41+ 17 54-	18 29+	19 5	☉ 1st L. ☉ 2d L.
☿ 21.	22 55+ 33 38	23 31+ 34 14+	6 24 8- 34 51- 37 27- 40 50-	24 44+ 35 27 41 28½	26 3½	<i>γ Geminorum.</i> <i>Syrus.</i> <i>d } Geminorum.</i> <i>37 } Geminorum.</i>

In MARCH MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 22.	32 33 37 15+ 19+	33 9+ 37 54+ 41 54+	5 33 46 38 34+ 5 42 30-	34 22+ 39 13+ 43 5-	34 59 39 52+ 39+ 59 59+ 12 46+ 43 40+ 51 7+	130 } <i>Tauri</i> . 136 } <i>α Orionis</i> . <i>Capella</i> . <i>Rigel</i> . <i>β Tauri</i> . <i>α Orionis</i> . <i>H Geminorum</i> .
♂ 24.	8 1/2 41 20 48 36	58 30- 2 44 10 48 19 13 1/2	4 59 20 5 3 19+ 11 28 42 30 40 52-	0 10- 3 55- 13 33 29 53 1/2 Cloudy	59 59+ 12 46+ 43 40+ 51 7+	<i>λ Cancr.</i> <i>Hydra</i> . <i>δ Cancr.</i> <i>3 Hydra</i> . <i>α Corvi</i> . <i>Pole *</i> ; below. <i>δ Corvi</i> . 2d } k } <i>Virginis</i> . 9 } σ } <i>Spica</i> . <i>α Lyræ</i> . 2d L. very hazy. 20 ^h 0' 30", 7 mean time.
☉ MAR. I.	38	49 13+	22 49 49- 51 59	52 34 1/2	53 9 1/2	☉ 1st L. ☉ 2d L.
♂ 2.	52 21+ 11 33 42 1/2	52 56+ 2 46 10 50 57 1/2 34 19 27 24:	22 53 31 1/2 55 42+ 4 59 22- 5 3 22- 11 30 42 32 49 54 6 0 45+ 15 4 1/2 24 12+ 34 55+ 12 Cloudy	56 17 1/2 0 12 57- 35 32-	56 52+ 1 2- 4 32	☉ 1st L. ☉ 2d L. <i>Capella</i> . <i>Rigel</i> . <i>β Tauri</i> . <i>α Orionis</i> . H } n } <i>Geminorum</i> . v } γ } <i>Syrus</i> . <i>Pole *</i> ; below.
♂ 5.	21 19 1/2 11 33 42 1/2	21 55 1/2 2 46 1/2 10 51- 41 57+ 34 19+ 27 23	22 32 5 22 11 30+ 42 32 1/2 6 0 45 1/2 34 56- 12 44 21	3 57 1/2 43 8+ 35 32 1/2 1 19	23 44 1/2 49+	<i>Aldebaran</i> . <i>Rigel</i> . <i>β Tauri</i> . <i>α Orionis</i> . <i>n Geminorum</i> . <i>Syrus</i> . <i>Pole *</i> ; below.
♀ 6.	7 13 1/2	7 48 1/2	23 8 24-		11 43 1/2	☉ 1st L. ☉ 2d L.
☉ 8.	14 37 1/2 47+ 12+ 12-	15 12 1/2 17 22: 59 23 2 47 x 10 51	23 15 47 1/2 17 57 1/2 4 59 23- 5 3 22 1/2 11 31	10 22 1/2 18 32 1/2 0 13 12 10 1/2	19 57 1/2 7+ 1 2 1/2 4 33 12 50	☉ 1st L. ☉ 2d L. <i>Capella</i> . <i>Rigel</i> . <i>β Tauri</i> .
♂ 9.	18 19- 4 24 56 1/2 20 40+	18 53 1/2 27 24 5 30 18 57+ 26 31 1/2	23 19 28 21 38 1/2 1 21 2 6 6 1/2 7 19 39- Cloudy	22 13+ 1 21 20 20+ 31 39 1/2	22 48+ 7 19 32 18 1/2	☉ 1st L. ☉ 2d L. <i>Pole *</i> ; above. <i>Venus's Center</i> . 2 ^h 55' 49", 7 mean time. <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
♂ 10.	10 12 1/2 24-	10 52 41 59	5 3 23+ 11 32- 42 34+ 6 34 57	12 11+ 43 44+ 36 9 1/2	12 51 43 44+ 36 9 1/2	<i>Rigel</i> . <i>β Tauri</i> . <i>α Orionis</i> . <i>Syrus</i> .
♀ 11.		28 25	23 29 0+	27 26- 29 35	Clouds Clouds	☉ 1st L. ☉ 2d L.
♀ 13.	33 56+ 25 58 1/2 42+ 17 1/2	34 22 26 33 1/2 30 22- 38 53	4 22 35 6 0 49- 8 51 1/2 34 58+ 7 22 9- 31 1+ 19 39 28-	35 35 31 41 1/2	12: 32 21- 40 38+	<i>Aldebaran</i> . n } <i>Geminorum</i> . μ } <i>Syrus</i> . <i>Procyon</i> . <i>Pollux</i> . <i>α Aquila</i> .
♂ 14.	36 41 1/2	37 16 x	23 37 51	26 1/2		☉ 1st L.

In MARCH MDCCCLXI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 14.		37 25+ 58 35+ 15- 14+ 10 54- 42 0½	23 40 0½ 4 59 25+ 5 3 25 11 33½ 42 36- 6 0 49- 8 51½ 24 16- 30 16 34 59- 7 19 41 27 9 31 2-	35½ 0 15+ 4 0½ 43 11+ 35 35½ 20 22+ 27 44 31 42-	41 10½ 12 52+ 31 36- 21 3½	☉ 2d L. Capella. Rigel. β Tauri. α Orionis. μ } Geminorum. γ } ☽ 1st L. 5h 59' 34",7 mean time. Sirius. Castor. Procyon. Pollux.
☉ 15.		Cloudy 58 35½ 2 15 10 14½ 42 1-	23 43 40 4 59 25½ 5 3 25+ 11 34- 42 36	42 5: 44 15+ 0 15½ 4 0+ 12 13+ 43 11½	44 49+ 53- 46+	☉ 1st L. ☉ 2d L. Capella. Rigel. β Tauri. α Orionis.
☽ 16.	38 20½		8 39 39::	40 17::	55::	☽ 1st L. Cloudy. Very uncertain.
☿ 18.		Clouds	23 54 36	Clouds		☉ 2d L.
h 21.	2 12½ 2 17- 33 47+ 19+ 44+ 9 53+	2 47 4 56+ 2 51 42 2 34 23½ 19 1- 26 35- 30 23+	0 3 22+ 5 31+ 5 3 26+ 42 37+ 6 35 0 7 19 42- 27 10 31 3- 13	57+ 6 6+ 4 2- 43 12½ 35 36½ 20 23+ 27 45+ 43- Cloudy	41 36½ 43 47½ 36 12½ 20 4½ 28 20½ 32 22+	☉ 1st L. ☉ 2d L. Rigel. α Orionis. Sirius. Castor. Procyon. Pollux. ☽ 2d L.
☉ 22.		8 34½	0			☉ 2d L.
☽ 23.		28 30½	18 29 15	29 59+	30 43½	α Lyrae.
♂ 24.	13 11:	13 45½	0 14 20+ 16 29+	17 4+		☉ 1st L. ☉ 2d L. } Observed with the naked eye.
☿ 25.	16 49- 18 58½ 18 28- 51 15 8+ 27 33+	17 23½ 19 9- 26 40 30 31- 15 43+ Cloudy	0 17 58½ 20 7½ 7 19 50 27 15+ 31 10½ 9 16 18+ 16	18 33 42½ 20 31+ 27 50+ 31 50+ 16 53½	19 8- 21 17 21 12½ 28 25+ 32 29+ 17 28½	☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux. α Hydræ. ☽ 2d L.
♂ 26.	22+	20 57+	0 21 32+: 23 41-	24 15½	24 51-	☉ 1st L. ☉ 2d L.
☿ 27.	Clouds	26 44	0 27 19	54	Clouds	☉ 2d L.
h 28.	46+	28 31	18 29 16-	30 0	30 44½	α Lyrae.
☉ 29.	17- 26 12½ 57 48- 2 18- 17- 41 28½	31 51+ 26 50+ 22 2½ 58 38- 2 53 10 56+ 42 3½	0 32 26½ 34 35+ 3 27 28- 4 22 38½: 59 28- 5 3 28+ 11 36 42 39-	35 10½ 23 14+ 0 18- 4 3½ 12 16- 43 14	35 45+ 28 43+ 1 8 4 38½ 12 55+ 43 49	☉ 1st L. ☉ 2d L. Venus's Center. 2h 58' 14",3 mean time. Aldebaran. Capella. Rigel. β Tauri. α Orionis.
☽ 30.	34 54+ 30 10½ 26- 2 18 10 17 41 29- 49½ 26 2 29 45	35 29+ 30 48- 22 2½ 58 37½: 2 53+ 10 57- 42 4 34 26- 26 37 30 24½	0 36 4½ 38 13+ 3 31 25½ 4 22 38+ 59 28 5 3 28½ 11 36½ 42 39+ 6 35 2+ 7 27 12 31 4½	38 49- 23 14½ 59* 18 4 4- 12 16 43 14½ 35 39- 27 47 31 44+	39 23½ 32 41+ 50½ 0† 8 4 39- 12 55½ 43 49+ 36 14½ 28 22 32 24-	☉ 1st L. ☉ 2d L. Venus's Center. 2h 58' 14",7 mean time. Aldebaran. Capella. *0 †1 Rigel. β Tauri. α Orionis. Sirius. Procyon. Pollux.
♂ 31.	38 32½	39 7½	0 39 43 41 52-	52- 42 27+	43 2-	☉ 1st L. ☉ 2d L.
☿ APRIL 1.	38 2+ 57 48+ 17+ 21+	38 39½ 58 38+ 10 57+ 19 2½	3 39 18- 4 59 28+ 5 3 28½ 11 36½ 7 Cloudy	0 18+ 4 4 Cloudy 20 25	40 33½ 1 8 4 39	Venus's Center. 2h 58' 14",5 mean time. Capella. Rigel. β Tauri. Castor.

In APRIL MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.	28-	50 2½	0 50 37½ 52 46½		53 56½	☉ 1st L. Very hazy. ☉ 2d L.
4.	6	53 41 58 38+ 4+ 26 21½ 19 3- 37+ 45+	0 54 16+ 56 26 59 28+ 5 42 40- 6 35 2½ 7 19 44 27 12+ 31 5-	56* 1 0 18+ 43 15- 35 39 20 25+ 31 44½	57 36 28 22+	☉ 1st L. ☉ 2d L. *57 Capella. α Orionis. Sirius. Castor. Procyon. Pollux.
5.	45+	20	0 57 55+ 1 0 4+	39½ 55 25+	15- 56 3+	☉ 1st L. ☉ 2d L. Venus's Center.
6.	23½ 21½ 37+	59- 58 56+ 2½	1 1 33½ 3 43½ 7 19 44 31 5	18+ 48- 45-	0 54- 51+ 6½	☉ 1st L. ☉ 2d L. Venus's Center. Castor. Procyon. Pollux.
10.	9 14½ 33 51+ 18 23 26 4 47-	9 54½ 34 27½	5 10 35- 35 4 7 19 45+ 27 14- 31 6½	35 41- 31 46+	11 54½ 36 17- 21 8- 24-	☉ 1st L. very faint. 4h 53' 41", 5 mean time. Sirius. Castor. Procyon. Pollux.
11.		21 27½ 29½	1 22 3 4 10 56 5½	22 48+ 41½	23 14- 18 25-	☉ 2d L. Venus's Center. Regulus.
14.	29 46 41 32	30 21 42 7	1 30 56½ 33 6½ 5 42 42+	43 17½ 43 52½		☉ 1st L. ☉ 2d L. α Orionis.
10.	37 11 33 22 54+	37 46+ 34 1- 34 30½	1 38 21½ 40 32+ 4 34 40- 6 35 7-	41 8- 35 19 35 43+	41 43 35 57½ 19+	☉ 1st L. ☉ 2d L. Venus's Center. 2h 54' 23", 6 mean time. Sirius.
17.	53+ 36 42 15½ 59½ 22-	41 28+ 37 21 53 35- 57-	1 42 4 44 14+ 4 5 13 6 30½ 13 10+ 18 32-	44 50 12 23 46	45 25 7 45½ 21- 41	☉ 1st L. ☉ 2d L. Venus's Center. β Tauri. γ Hydrae Cont. Spica. 1 b Virginis.
18.	44 35½ 39 58½ 47 36 21	45 11+ 40 37½ 47 35+ 36 57	1 45 46½ 47 57+ 4 41 17- 9 16 22+ 56 10 13 13 11- 37 33 39 40	48 33- 57½ 56 46- 46+	49 8+ 42 34½ 57 21+ 45 40 52	☉ 1st L. ☉ 2d L. Venus's Center. 2h 53' 6" mean time. α Hydrae. Regulus. Spica. ☉ 1st L. 11h 47' 21", 3 mean time. ☉ 2d L.
19.	48 19 43 11½	54+ 43 51-	1 49 30 51 40½ 4 44 30-	52 16+	45 48-	☉ 1st L. ☉ 2d L. Venus's Center. 2h 52' 21", 9 mean time.
20.	52 2+ 4 6+ 59 31 22½ 3+ 15 41+	Cloudy 15 48- 12 36 4 44- 34 6 17+ 39	1 9 16 23 13 13 11½ 14 5 21 11 10 16 41 23 2½ 38 15+ 15 16 56 25 9+	56 0+ 16 58 13 47 5 58 45+ 16 48 51+ 33½	6 35 21 51 27 10½	☉ 1st L. ☉ 2d L. α Hydrae. Spica. Arcturus. 2 Libræ. 106 Virginis. γ Bootis. α Libræ. ☉ 2d L. 13h 19' 8", 1 mean time. α Coronæ Borealis.
21.			1 56 57½	59 44	0 20::	☉ 1st L. ☉ 2d L.
23.	3 16- 26 10	3 51+ 56 0+ 26 45	2 4 27 6 38 4 7	7 14	7 49½	☉ 1st L. ☉ 2d L. Venus's Center. Procyon.
24.			2	10 59+	11 35	☉ 2d L.

In MAY MDCC LXI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 24.	17½ 31+	39 6½	19 35 28+ 39 42	36 4 40 17+	39 52	γ { <i>Aquilæ</i> .
♂ 25.	46	11 22	2 11 57½ 14 9½	14 45+	15 21+	☉ 1st L. ☉ 2d L.
☉ 26.	57 59- 3 38 41 37½	58 48½ 4 17 42 13- 34 34-	4 59 38½ 5 4 56+ 42 48- 6 35 10-	0 28½ 43 23 35 46+ 20 35	1 18½ 6 15- 43 58 21 16	<i>Capella</i> . <i>Venus's Center</i> . 2 ^h 45' 12", 2 mean time. α <i>Orionis</i> . <i>Syrus</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
♂ 27.	27 48+		21 29 5- 31 14	29 43	30 21	☉ 2d L. 19 ^h 2' 43", 2 mean time.
♂ 28.	22 6+	22 42-	2 23 18			☉ 1st L.
♀ MAY 1.		16 10- 34 33½ 26 10+ 30 54½	2 36 55 5 16 49 6 35 10- 7 27 20+ 31 14	17 28+ 35 46+ 27 55½ 31 54	38 7+ 36 22+ 28 30½ 32 33+	☉ 2d L. <i>Venus's Center</i> . 2 ^h 37' 23", 9 mean time. <i>Syrus</i> . <i>Procyon</i> . <i>Pollux</i> .
☉ 3.	56½ 26½	58 46+ 20 6- 33½	4 59 36+ 5 20 45+ 56 9½	0 26+ 21 25- 56 45½	1 16+ 22 4+	<i>Capella</i> . <i>Venus's Center</i> . 2 ^h 33' 28", 4 mean time. <i>Regulus</i> .
♂ 4.	44 56	45 32	2 46 8½ 48 21½	48 58	49 34	☉ 1st L. ☉ 2d L.
♀ 6.			2 53 51			☉ 1st L.
♂ 7.	56 30 53- 26 8- 29 52	57 6+ 26 32 30½ 19 9+ 26 42½ 30 31+	2 57 42½ 59 56 5 27 11½ 45 27 6 35 7- 7 19 50½ 27 17½ 31 11+ 9 56 9½	0 33 27 51 35 43½ 20 32- 27 53 31 51 56 45	1 9+ 28 30 19½ 28 28- 32 30+ 57 21-	☉ 1st L. ☉ 2d L. <i>Venus's Center</i> . 2 ^h 24' 11", 6 mean time. ☉ 1st L. 2 ^h 42' 24", 2 mean time. <i>Syrus</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> . <i>Regulus</i> .
♀ 8.	26 8-	0 59: : 26 43- 30 31½	3 1 36: : 7 27 18- 31 11+	27 53 31 51	5 2 28-	☉ 1st L. Naked eye. ☉ 2d L. <i>Procyon</i> . <i>Pollux</i> .
♂ 9.	4 16- 28 15½	4 52+ 28 55	3 5 29- 7 43- 5 29 34+	8 19+	8 55½ 30 53-	☉ 1st L. ☉ 2d L. <i>Venus's Center</i> . 2 ^h 18' 41", 3 mean time.
♂ 11.		55	3 13 18+ 15 31+	8+	44+	☉ 1st L. ☉ 2d L.
♀ 13.	53+	45 29+	11 46 5+		47 16½:	☉ 1st L. 8 ^h 18' 25", 2 mean time.
♂ 14.	23 53½ 33 8 32½ 58 0 10 42 23 54½	24 30- 33 43- 4 11 11 17 24 34-	3 25 6½ 27 21 12 34 18½ 14 54 51 59 13 15 4 46½ 11 52+ 25 13	27 58 55 31 59 50½ 22- 12 27 25 52+	28 34+ 35 30+ 56 10 13 2 26 31½	☉ 1st L. ☉ 2d L. ☉ 1st L. 9 ^h 2' 34", 3 mean time. φ <i>Bootis</i> . 1 { <i>Libra</i> . β { ε { α <i>Coronæ Borealis</i> .
♀ 15.	27 50- 20 16 59 36 10-	28 27- 55 37+ 38 20 52½ 0 11+ 4 47-	3 29 3½ 31 18 9 56 13 13 13 13½ 21 28+ 14 0 46½ 5 24	31 55 56 49 49 22 6 1½	32 32- 22 40+ 1 57 6 38+	☉ 1st L. ☉ 2d L. <i>Regulus</i> . <i>Spica</i> . ☉ 1st L. 9 ^h 45' 39", 9 mean time. * <i>Virginis</i> . <i>Arcturus</i> .
♂ 19.	42½	44 19+	3 44 57: :			☉ 1st L.
♀ 20.	20 32 32+ 58 52 12 34- 28 4-	55+ 59 29+ 13 12+ 28 48½	17 24 31+ 33 52 18 0 6 13 51 29 33½	7- 34 32+ 30 18-	43- 35 12- 1 21 15 8+	α <i>Ophiuchi</i> . ☉ 2d L. 13 ^h 37' 39", 9 mean time. 1 μ { <i>Sagittarii</i> . λ { α <i>Lyræ</i> .
♂ 21.		52 20+	3 52 57½:			☉ 1st L.
♀ 22.	55 44+	56 21+	3 56 58½ 59 14+ 5 29 9-	59 51+	0 29-	☉ 1st L. ☉ 2d L. <i>Venus's Center</i> . 1 ^h 27' 2", 3 mean time.
♂ 23.	12 8-	12 42½	13 13 18	13 53½	14 29-	<i>Spica</i> .

In JUNE MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
24.	3 48- 5 24- 12 8½ 41+ 4 15+	4 25 6 1+ 12 43½ 4 52	4 5 3- 7 18½ 13 6 39- 13 19 14 0 52- 21 5 29½	7 56- 7 16½ 13 54½ 6 7-	8 33+ 7 54- 14 29½ 2 3- 6 44- 10 30	☉ 1st L. ☉ 2d L. γ Hydrae Cont. Spica. α Virginis. Arcturus. ☽ 2d L.
30.	10-	28 48+	4 29 26- 31 42+	32 20+	32 58	☉ 1st L. ☉ 2d L.
4 JUNE 4.			4	52 45+	53 23	☉ 2d L.
6.	56 48+ 38 15+ 32 21+	57 26- 59 43½ 38 54+ 33 10+	4 58 3½ 5 0 21 8 39 34- 20 33 59-	0 59 34 48-	1 36½ 35 36½	☉ 1st L. ☉ 2d L. ☽ 1st L. 3 ^h 37' 56",5 mean time. α Cygni.
7.	1 23- 51+ 28 4+	11 28+ 28 48	9 2 32+ 12 5 18 29 33	42 10 42½ 30 18	3 42 31 2	☽ 1st L. δ Ophiuchi. γ Herculis. α Lyrae.
8.	7 20 12 8 4 13- 15 26+ 21 38 37 11 38 38- 43 4½ 32 21-	7 57½ 37 38½ 12 43 4 50- 16 1 22 23 37 47 39 14+ 43 40 33 9½	5 6 18+ 8 36- 10 Cloudy 13 13 18½ 14 5 27+ 16 36 23 8+ 38 23 15 25 16 19 39 48+ 44 15½ 20 33 58½	6 56 9 14 13 54 6 4½ 17 11 23 53+ 38 59 40 24- 44 51 34 47	9 51½ 14 29 6 41+ 17 45+ 24 39- 39 35 40 59- 45 26+ 35 36	☉ 1st L. ☉ 2d L. ☽ 1st L. Spica. Arcturus. φ Virginis. γ Bootis. α Librae. α Coronæ Borealis. α { Aquila. β { α Cygni.
9.	9 10 21+ 12 8 4 12½ 37 11	9 48 29 57+ 12 43 4 49½ 37 47	5 10 26½ 11 30 33 13 13 18½ 14 5 27 38 23	13 54 6 4½ 38 59	31 45 14 29 6 41+ 39 35	☉ 1st L. ☽ 1st L. 6 ^h 16' 40" mean time. Spica. Arcturus. α Librae.
11.	5 56 4 13-	6 32 4 50- 24 37 14 50½	13 7 8 14 5 27 15 25 16+ 16 15 29	6 4½ 25 55 16 8	6 41+ 26 34+ 16 46½	☽ 1st L. 7 ^h 45' 7",3 mean time. Arcturus. α Coronæ Borealis. Antares.
12.		24 32-	5 22 51½ 25 10	25 48	26 25+::	☉ 1st L. ☉ 2d L.
13.	40 13+ 23 58 32 21	50 24 37 33 10+	14 38 23½ 41 27+ 15 25 16 20 33 59-	42 4 25 55+ 34 48-	41:: 26 34+ 35 36+	α Librae. ☽ 1st L. 9 ^h 11' 19",8 mean time. α Coronæ Borealis. α Cygni.
14.	29 53+ 34 4+ 12 8+ 3 13 37 11+ 10 48- 28 59	30 31+ 34 40+ 12 43+ 4 50 37 47 11 23- 29 37	5 31 9+ 33 27½ 6 35 16+ 13 13 19- 14 5 27+ 38 23+ 15 11 58 30 15	34 5½ 35 52+ 13 54+ 6 4½ 38 59+ 12 33+ 30 53	34 43½ 36 28+ 14 29+ 6 41½ 39 35 13 8+ 31 30½	☉ 1st L. ☉ 2d L. Syrius. Spica. Arcturus. α { Librae. ε { ☽ 1st L. 9 ^h 56' 3",2 mean time.
21.	26+ 40 7½ 23+	1+ 15 12	19 35 37- 39 50+ 44 17+ 20 34 1- 21 42 34+	12½ 25½ 53- 50 43 12½	47½ 0½ 27+ 38½	γ { Aquila. α { β { α Cygni. ☽ 1st L. 15 ^h 39' 50",1 mean time.
22.	9+ 30 28+	3 47½	6 4 25½ 6 44 22 31 42+	7 22+ 32 19+	8 0+ 32 56+:	☉ 1st L. ☉ 2d L. ☽ 2d L. 16 ^h 24' 52",6 mean time.
23.	19+ 23 Cloudy	7 57+ 12-	6 8 35+ 10 53½ 13 13 20½ 14 5 29 15 25 18 20 34 1 23 46"	11 31+ 13 56 6 6+ 25 57+ 34 50 35 38½	12 9½ 14 31 6 43 26 36 35 38½	☉ 1st L. ☉ 2d L. Spica. Arcturus. α Coronæ Borealis. α Cygni. ☽ 2d L. very faint.
24.	11 29	12 7-	6 12 45			☉ 1st L.

With Mr. Short's Reflector at 21^h 22' 46" the third Satellite of Jupiter immersed. Apparent Time 15^h 10' 24".

In JULY MDCCLXI.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
24.		55 43-	6 15 3 9 56 19- 13 13 20½ 14 5 29 38 25 16 15 31 0 6 56+	15 41 56 54+ 13 56 6 6+ 39 1+ 16 10 7 36	16 19 57 30+ 14 31 6 43 39 37 48+ 8 8+ 14 27½	☉ 2d L. <i>Regulus.</i> <i>Spica.</i> <i>Arcturus.</i> <i>α Libræ.</i> <i>Antares.</i> ☽ 2d L. 17 ^h 51' 59",4 mean time. Jupiter's Center. 17 ^h 57' 20" mean time.
25.	15 38	16 16	6 17 54+ 19 12-	19 50+	20 28	☉ 1st L. ☉ 2d L.
30.	36 24+:	37 2+	6 37 40+ 39 58-	40 35+	41 13½	☉ 1st L. very faint. ☉ 2d L. Naked eye.
JULY 1.	Cloudy 23 25- 35 30	24 0+ 36 5	6 17 24 36 36 40	42 26 25 12 37 15	25 47+ 37 50	☉ 1st L. <i>α</i> } <i>Opbiuchi.</i> <i>γ</i> }
2.	Cloudy 25- 31 15+ 35 30+ 45 27 49 57½ 13 1+ 28 7- 38 24+	24 0+ 31 50 36 5 46 2 47 52+ 50 53½ 58 18½ 13 38+ 22 22- 28 51+ 38 59+	6 48 14: 17 24 36 32 25+ 36 40 46 37+ 48 32 51 49½ 58 59- 18 14 16 22 57 29 36+ 39 34+	25 12 33 0+ 37 15 47 12½ 49 12- 52 45½ 59 38½ 14 54- 23 32+ 30 21+ 40 9+	49 30 47+ 33 35+ 37 50 47 48+ 53 41+ 103 { 109 { <i>m Aquilæ.</i> <i>α Lyræ.</i> 8 <i>Aquilæ.</i>	☉ 2d L. Naked eye. <i>α</i> } <i>β</i> } <i>Opbiuchi.</i> <i>γ</i> } <i>ζ Serpentis.</i> <i>γ Draconis.</i> 103 { <i>Herculis.</i> 109 { <i>m Aquilæ.</i> <i>α Lyræ.</i> 8 <i>Aquilæ.</i>
3.	28 49- Cloudy		0 50 4½ 52 22+:	53 0+		☉ 1st L. ☉ 2d L. Naked eye.
4.	Cloudy 4 22 9 28+ 13 14+ 20 10 29 42½ 31 54½ 38 36+ 52 25 13 57+	4 22 9 28+ 13 14+ 20 10 29 42½ 31 54½ 38 36+ 53 1+ 14 32	6 22 4 58- 10 3½ 13 49+ 20 57+ 30 18 32 34½ 39 14½ 53 37 0 15 7+	57 8 5 33 10 38½ 14 24+ 21 44+ 30 53½ 33 14½ 39 52½ 54 03	57 45+ 54 39	☉ 2d L. <i>δ</i> } <i>γ</i> } <i>Aquarii.</i> <i>π</i> } 6 <i>Lacertæ.</i> <i>ζ</i> } <i>η</i> } <i>Pegasi.</i> <i>μ</i> } <i>α</i> } Jupiter's Center. hazy. 17 ^h 20' 48" mean time.
5.	4 12 11½	57 41½ 12 47	6 58 19½ 7 0 37+ 13 13 22+	1 15+ 13 58	52½ 14 33	☉ 1st L. ☉ 2d L. <i>Spica.</i>
6.	Cloudy		11	10 47½:	Cloudy	☽ 1st L.
8.	9 24 49 43 12 12½ 17+ 52 28 9- 14 47 34 35	10 2 50 08 12 48 4 54+ 22 24 28 53 15 21½ 35 12	7 10 40: 12 57-: 12 50 53 13 13 23+ 14 5 32- 18 18 2- 22 59 29 37½ 0 15 57- 4 35 48+	13 34+ 13 59- 6 9 18 36½ 23 34 30 22½	52 13 6 46 19 11 17 6 37 51+	☉ 1st L. very cloudy and uncertain. ☉ 2d L. ☽ 1st L. 6 ^h 36' 13",9 mean time. <i>Spica.</i> <i>Arcturus.</i> <i>c Serpentis.</i> <i>m Aquilæ.</i> <i>α Lyræ.</i> Jupiter's Center. 17 ^h 5' 52",4 mean time. Venus's Center. 21 ^h 25' 1",3 mean time.
9.	13 30½ 12 13 21- 4 17+ 24 2 14 17- 14 57½ 36 16+	14 8- 12 48+ 37 56+ 4 54½ 24 41+ 14 55+ 15 33- 36 53-	7 14 46- 17 3- 13 13 24- 38 32+ 14 5 32 15 25 21- 16 15 34½ 0 16 7+ 4 37 29+	17 40½ 13 59+ 6 9+ 26 0+ 16 13½ 38 6-	18 18 14 34+ 39 44: 6 46+ 26 39½ 16 52 17 17 38 42	☉ 1st L. ☉ 2d L. <i>Spica.</i> ☽ 1st L. 6 ^h 26' 16",2 mean time. <i>Arcturus.</i> <i>α Coronæ Borealis.</i> <i>Antares.</i> Jupiter's Center. 17 ^h 2' 6",7 mean time. Venus's Center. 21 ^h 22' 45",9 mean time.
10.	17 36+: 4 18- 53 24 2+ 13 17 16+ 38 3+	18 14- 12 48+ 4 55- 25 29+ 24 41½ 13 56 56 52½ 38 40-	7 18 51+ 21 8+ 13 13 24 14 5 32+ 26 6+ 15 25 21 16 15 35- 57 29-: 4 39 16+	21 46 13 59½ 6 9½ 26 6½ 16 14- 58 29+	22 23+ 6 46½ 27 19+ 26 40- 16 52+ 40+ 29+	☉ 1st L. ☉ 2d L. <i>Spica.</i> <i>Arcturus.</i> ☽ 1st L. 7 ^h 9' 46",2 mean time. <i>α Coronæ Borealis.</i> <i>Antares.</i> <i>n Opbiuchi.</i> Venus's Center. 21 ^h 20' 36",4 mean time.

In JULY MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
11.	21 41	18+	7 22 56 x 25 13	50½	28 x	☉ 1st L. ☉ 2d L. ☽ 1st L.
13.	Cloudy		7 31 5 33 22-			☉ 1st L. ☉ 2d L. <i>Arcturus.</i> ☽ 1st L. 9 ^h 27' 54", 8 mean time.
	55 9+		14 56 28		6 47+	
	23 27+	24 3+	17 24 39	25 15	25 50+	α } <i>Ophiuchi.</i>
	31 18½	31 53+	32 28+	33 4-	33 38+	β } <i>Ophiuchi.</i>
	35 33+	36 8	36 43+	37 18	37 53-	γ } <i>Ophiuchi.</i>
	28 10	28 54	18 29 39-	30 23½	31 8	α <i>Lyrae.</i>
14.	46 14+	16 16+	0 16 51	17 20		<i>Jupiter's Center.</i> 10 ^h 43' 9", 5 mean time. <i>Venus's Center.</i>
15.	37 57	38 34+	7 39 12 41 28½	42 6+	42 43½	☉ 1st L. ☉ 2d L.
	23 28	24 4-	17 24 39+	25 15+	25 51-	α } <i>Ophiuchi.</i>
	31 19+	31 54	32 29	33 4	33 39	β } <i>Ophiuchi.</i>
	35 34-	36 9-	36 43½	37 18½	37 53½	γ } <i>Ophiuchi.</i>
	28 10+	28 54½	18 29 39+	30 24	31 8½	α <i>Lyrae.</i>
	39 57+	40 37-	41 15½	41 55-		σ <i>Sagittarii.</i>
	43 18+	43 58+	44 38½		45 58½	☽ 1st L. 11 ^h 7' 55", 2 mean time.
16.		44 53+	7 45 31-	43 52+		☉ 1st L. } <i>Naked eye.</i>
	14 19-	14 58-	16 15 36½	46 8+		☉ 2d L. }
	23 28+	24 4	17 24 39½	16 15+	16 54	<i>Antares.</i>
	32 3	32 42	33 21+	25 15½	25 51	α <i>Ophiuchi.</i>
	44 46	45 24-	46 2+		34 40-	β } <i>Sagittarii.</i>
	5 11	5 51	18 6 31+		47 18+	δ } <i>Sagittarii.</i>
	28 11-	28 55-	29 40-	30 24+	7 52-	α <i>Lyrae.</i>
	34 32	35 7+	19 35 43	36 18	31 9-	β <i>Aquile.</i>
	37 52	38 31+::	39 12		40 32-	☽ 1st L. 11 ^h 58' 23", 6 mean time.
		40 48	41 28	42 8	42 48	☽ 2d L.
		33 17	20 34 6+	34 56-		α <i>Cygni.</i>
17.	15 58	16 33	0 17 8+	17 43	18 18	<i>Jupiter's Center.</i> 16 ^h 31' 38", 1 mean time.
	45 44½	46 19+	46 54½			<i>Saturn's Center.</i> 17 ^h 1' 19", 5 mean time.
			4 23 1+			<i>Aldebaran.</i>
		54 58+	55 35	55 12	55 48-::	<i>Venus's Center.</i> 21 ^h 9' 19", 3 mean time.
		59 1	59 51			<i>Capella.</i>
		3 16	5 3 51+	4 26½		<i>Rigel.</i>
18.		50 41:	7 Cloudy			☉ 1st L.
19.	16 7	16 41½	0 17 16+		18 26	<i>Jupiter's Center.</i> 16 ^h 23' 53", 8 mean time.
		28 38				<i>Pole *</i> ; above.
	58 32½	59 10-	4 59 46		0 59+	<i>Venus's Center.</i> 21 ^h 5' 37", 3 mean time.
20.	58 6	58 42+	7 59 20+			☉ 1st L.
			8 1 35½	2 13+	2 50::	☉ 2d L.
	39 47+		22 40 58	41 33+	42 9-	λ <i>Aquarii.</i>
			53 42			α <i>Pegasi.</i>
	3 8-		23 4 20+	4 57+	5 33+	☽ 2d L. 15 ^h 7' 13", 6 mean time.
The second Satellite of Jupiter at 23 ^h 57' 36" immersed by this Clock. Apparent Time 15 ^h 54' 28". Observed by the new Telescope with a magnifying power of 95, or the broad little Speculum and shortest Eye-glass.						
		59 2	4 59 52	42		<i>Capella.</i>
			5 2 28½	3 5+		<i>Venus's Center.</i> 21 ^h 4' 23", 2 mean time.
			3 52	4 27+	5 2	<i>Rigel.</i>
	41 52+	42 27	43 2½	43 37½	44 12½	α <i>Orionis.</i>
21.	2 6	2 43-	8 3 20	6 13-	6 50-	☉ 1st L.
			5 35+			☉ 2d L.
		14 59	16 15 38-	16 16½		<i>Antares.</i>
22.	6 4½	6 42	8 7 20-	10 12	10 49½	☉ 1st L.
			9 34½			☉ 2d L.
	28 12½	28 56+	18 29 41+	30 26+	31 10½	α <i>Lyrae.</i>
The first Satellite of Jupiter immersed at 20 ^h 46' 2" by this Clock. Apparent Time 12 ^h 35' 29". Magnifying power 95.						
	18 38	19 13½	21 19 48+	20 58½		β <i>Aquarii.</i>
	39 53	40 29	41 5+	41 41½	42 17+	μ <i>Capricorni.</i>
		16 48	0 17 23	17 58		<i>Jupiter's Center.</i> 16 ^h 12' 12", 1 mean time.
	27 0+		38 21-	38 56+	39 21½	☽ 2d L. 16 ^h 33' 6", 4 mean time.
24.	12 17-	12 52	13 13 27½	14 3	14 38+	<i>Spica.</i>
	4 21+	15 0	16 15 39-	16 17½	16 56+	<i>Antares.</i>
	28 13	28 57	18 29 42	30 27	31 11	α <i>Lyrae.</i>
	28 14::					☽ 2d L. very hazy.

In JULY MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 24.		3 17½ 52+ 13 28+ 53 42 28	4 23 3½ 5 3 53 14 5+ 43 3½	23 40- 4 28+ 43 39-	24 16- 15 19 44 14-	<i>Aldebaran.</i> <i>Rigel.</i> <i>Venus's Center.</i> 21 ^h 0' 13", 4 mean time. <i>α Orionis.</i>
♂ 25.			8 19 15 21 29+	22 7	22 43½	☉ 1st L. ☉ 2d L.
☉ 26.	21 58 34 35 38 49- 43 16 9 1 58 14 2 43+ 19 5- 41 54-	22 35 35 10½ 39 24 43 51+ 9 39 59 4 3 18+ 19 41½ 42 29	8 23 12 25 26½ 19 35 46- 39 59 44 26+ 4 10 17 59 54 5 3 54- 20 19- 43 4+	26 4- 36 21 40 34 45 1½ 10 55 0 44 4 29	26 40+ 36 56+ 41 10- 45 36+ 11 33 1 34 5 4 21 32+ 14+	☉ 1st L. ☉ 2d L. γ } <i>Aquilæ.</i> α } ☉ 2d L. very faint. 19 ^h 48' 43", 2 mean time. <i>Capella.</i> <i>Rigel.</i> <i>Venus's Center.</i> 20 ^h 58' 33", 4 mean time. <i>α Orionis.</i>
♂ 27.	25 55+ 14 22 16 11- 45 52½ 58 14+ 2 43½ 13 28- 41 54	26 32 15 1- 16 46- 28 46 46 27½ 59 4½ 3 18½ 42 29+	8 27 9- 29 23+ 16 15 39½ 0 17 20½ 45 42 47 2½ 4 59 54½ 5 3 54+ 14 47- 43 4½	30 0 16 18+ 17 55½ 2 36 47 37½ 0 44½ 4 29+ 15 27-	30 37- 16 57 18 30+ 48 12½ 1 34½ 5 4+ 16 6½ 44 15-	☉ 1st L. ☉ 2d L. <i>Antares.</i> <i>Jupiter's Center.</i> 15 ^h 52' 28", 5 mean time. <i>Pole *</i> ; above. <i>Saturn's Center.</i> 16 ^h 22' 5", 6 mean time. <i>Capella.</i> <i>Rigel.</i> ☉ 2d L. 20 ^h 49' 6" mean time. <i>α Orionis.</i>
♂ 28.	29 51 34 35+ 38 49+	30 28 35 11 39 24+ 43 52	8 31 5 33 19 19 35 46+ 40 0- 44 27	33 56 36 22 39 35 45 2	34 33 36 57+ 41 10+ 45 37-	☉ 1st L. ☉ 2d L. γ } <i>Aquilæ.</i> α }
♀ 29.	33 46::		8 34 59½: 37 15- 19 35 47 40 0½	37 51½::	38 28+ 41 11-	☉ 1st L. very cloudy and uncertain. ☉ 2d L. very windy. γ } <i>Aquilæ.</i> very windy and cloudy. α }
♂ 30.	37 42-	38 18½	8 38 55½: 41 9+	41 46+	42 23	☉ 1st L. ☉ 2d L.
♂ AUG. 1.		46 6+	8 46 43½	49 33½::		☉ 1st L. { Very hazy and cloudy. ☉ 2d L. }
♂ 3.	53 16 22+		8 54 29:: 4 59 57- 5 3 56+ 43 7 47 36	57 18:: 0 46½ 4 32	1 36½ 50	☉ 1st L. { Very cloudy and uncertain. ☉ 2d L. } <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Venus's Center.</i> 20 ^h 54' 15", 7 mean time.
♂ 4.	57 8+ 34 19	57 44+ 10- 26½:: 54	8 58 21+:: 17 24 45+ 19 40 2 44 29	21 4+	56+ 39	☉ 1st L. ☉ 2d L. <i>α Ophiuchi.</i> α } <i>Aquilæ.</i> β }
♀ 5.	59+	36-	9 2 12 4 26	5 2	38+	☉ 1st L. ☉ 2d L.
♂ 6.	4 50+ 57 28-	5 27- 15 4- 58 5-	9 6 3+ 8 16 16 15 43- 5 58 42-	16 52½ 22-	29-	☉ 1st L. ☉ 2d L. <i>Antares.</i> <i>Venus's Center.</i> 20 ^h 53' 30", 9 mean time.
♀ 7.	55 42 23 35	56 19 24 11- 29 1	9 9 53-: 12 5½ 14 56 56 17 24 46+ 18 29 46	10 29 12 42: 25 22 30 31	13 18+ 58 10 25 57+	☉ 1st L. { Cloudy and uncertain. ☉ 2d L. } ☉ 1st L. 5 ^h 50' 17", 3 mean time. <i>α Ophiuchi.</i> <i>α Lyra.</i>
With the new Reflector at 20 ^h 2' 5" the first Satellite of Jupiter immersed. Apparent Time 10 ^h 51' 52". Magnifying power 95.						
	1	15 35+	20 34 13 0 16 11- 46 28		17 20+ 47 38	<i>α Cygni.</i> <i>Jupiter's Center.</i> 15 ^h 7' 59", 7 mean time. <i>Saturn's Center.</i> 15 ^h 38' 12" mean time.
♂ 8.	45 41 23 35 38 53-	24 50 46 19 24 10½ 39 28	9 15 54½ 15 25 29 46 58- 17 24 46- 19 40 3	16 31 26 9- 25 22 40 38	17 7 26 47½ 48 14+ 41 13	☉ 2d L. <i>α Coronæ Borealis.</i> ☉ 1st L. 6 ^h 36' 13", 9 mean time. <i>α Ophiuchi.</i> <i>α Aquilæ.</i>
☉ 9.			9 19 43+::	20 20-		☉ 2d L.

In AUGUST MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
10.	34 40 43 21 14 28 45 2 58 19 2 48+ 12 52+	35 15- 39 28½ 43 56 15 3- 45 37- 59 9 3 23+ 13 29+	19 35 50+ 40 4 44 31+ 15 37+ 46 12 4 59 59 5 3 59- 6 14 6+	36 26 40 39+ 45 6½ 0 49 4 34	37 1 16 47 47 22 1 39 5 9+ 16 20½	γ } <i>Aquilæ.</i> α } β } <i>Jupiter's Center.</i> 14 ^h 55' 37",9 mean time. <i>Saturn's Center.</i> 15 ^h 26' 7",6 mean time. <i>Capella.</i> <i>Rigel.</i> <i>Venus's Center.</i> 20 ^h 53' 8",2 mean time.
11.	24 53 3- 20- 49 59+ 49	24 32 25 33 29 3- 10- 24 28 34+ 17 26	9 25 8 16 15 44 17 24 47+ 18 26 13½ 29 47+ 5 0 0- 3 59+ 12 8- 43 10- 6 18 3+	27 56- 30 32 50- 34 47+ 45	28 32 27 33 31 16+ 40- 9½ 20 17+	☉ 1st L. ☉ 2d L. <i>Antares.</i> α <i>Ophiuchi.</i> ☽ 1st L. 9 ^h 3' 15",3 mean time. α <i>Lyræ.</i> <i>Capella.</i> <i>Rigel.</i> β <i>Tauri.</i> α <i>Orionis.</i> <i>Venus's Center.</i> 20 ^h 53' 8",5 mean time.
12.	19 36+ 38 54 37 5½ 20½ 49 49- 0-	20 16- 15½ 39 29+ 13 51+ 20 30+ 54 26- 40+ 45 24 10+ 24+ 28+ 35	9 31 6 19 20 56 35 51+ 40 5- 20 14 37- 25 6- 29 30 34 15- 0 15 11½ 37 15½ 45 59 5 0 0+ 3 59½ 12 8+ 43 10+	42½ 36 27- 40 15 22 25 41½ 6 35 4- 50½ 0 50+ 35 48 45½	22 18+ 16+ 37 2 41 15+ 17 42 52+ 25+ 40+ 10+ 27+ 20½	☉ 2d L. ☽ 1st L. 9 ^h 53' 52",7 mean time. γ } <i>Aquilæ.</i> α } γ <i>Cygni.</i> β } <i>Delphini.</i> α } α <i>Cygni.</i> <i>Jupiter's Center.</i> 14 ^h 47' 20" mean time. δ <i>Pisium.</i> <i>Saturn's Center.</i> 15 ^h 18' 2",4 mean time. <i>Capella.</i> <i>Rigel.</i> β <i>Tauri.</i> α <i>Orionis.</i>
13.	31 29	32 5+	9 32 41+ 34 52½	35 29- 25 24 30 33 36 27+ 40 41- 45 7½ 37 23- 47 42 2 51 43 46 36 9+ 32 15	36 5 26 0- 31 17+ 37 2½ 41 15½ 45 42+ 37 59 48 21+ 15 4 46 28½ 44 21 45½ 43 45- 28 52½ 55-	☉ 1st L. ☉ 2d L. α <i>Ophiuchi.</i> α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } ☽ 2d L. 13 ^h 49' 21",4 mean time. α <i>Andromedæ.</i> <i>Jupiter's Center.</i> 14 ^h 26' 22",6 mean time. Pole *; above. <i>Saturn's Center.</i> 14 ^h 57' 42",1 mean time. α <i>Orionis.</i> <i>Syrius.</i> <i>Venus's Center.</i> 20 ^h 53' 54",9 mean time. <i>Procyon.</i> <i>Pollux.</i>
17.	23 37 28 19 34 41 43 22+ 35 35 55 44 12 44½ 44 9+ 42 0½ 34 20+ 41 16 26 32½ 30 16-	24 13- 29 3½ 35 16 29 30- 43 57+ 56 23+ 13 19½ 28 57 44 44 42 35½ 34 57- 41 53 27 7+ 30 55+	17 24 48½ 18 29 48+ 19 35 52 40 5½ 44 32½ 23 36 47 57 3- 0 13 54+ 1 0 45 19- 5 43 11- 6 35 33 42 30+ 7 27 42½ 31 35+:	25 24 30 33 36 27+ 40 41- 45 7½ 37 23- 47 42 2 51 43 46 36 9+ 32 15	26 0- 31 17+ 37 2½ 41 15½ 45 42+ 37 59 48 21+ 15 4 46 28½ 44 21 45½ 43 45- 28 52½ 55-	α <i>Ophiuchi.</i> α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } ☽ 2d L. 13 ^h 49' 21",4 mean time. α <i>Andromedæ.</i> <i>Jupiter's Center.</i> 14 ^h 26' 22",6 mean time. Pole *; above. <i>Saturn's Center.</i> 14 ^h 57' 42",1 mean time. α <i>Orionis.</i> <i>Syrius.</i> <i>Venus's Center.</i> 20 ^h 53' 54",9 mean time. <i>Procyon.</i> <i>Pollux.</i>
18.	50 13+	50 49+	9 51 25½ 53 35	54 11+ 1 37 30 33 36 27 40 41- 45 7½ 23 47 43 46- 36 9 32 15	54 47+ 2 13- 31 17½ 37 2½ 41 15½ 45 42+ 24 23 44 21 36 45+ 56 23+	☉ 1st L. ☉ 2d L. ☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } <i>Aldebaran.</i> α <i>Orionis.</i> <i>Syrius.</i> <i>Venus's Center.</i> 20 ^h 54' 44",9 mean time.
20.	28 19 34 41 38 55- 43 22 21 58 42 0½ 34 20 53 54+	58 15- 29 4- 16 39 30 43 57 22 34 42 35+ 34 56+ 54 31	9 58 51 10 1 1+ 18 29 48+ 19 35 51½ 40 5+ 44 32+ 4 23 10½ 5 43 11- 6 35 33- 55 9-	1 37 30 33 36 27 40 41- 45 7½ 23 47 43 46- 36 9 32 15	2 13- 31 17½ 37 2½ 41 15½ 45 42+ 24 23 44 21 36 45+ 56 23+	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } <i>Aldebaran.</i> α <i>Orionis.</i> <i>Syrius.</i> <i>Venus's Center.</i> 20 ^h 54' 44",9 mean time.
21.	23 36+ 28 18½ 34 40+ 38 54 43 21½ 51 27+ 21 57½ 58 20½ 42 0-	29 3 35 15+ 39 29+ 43 56½ 59 10½ 42 35	10 4 43 17 24 47½ 18 29 47½ 19 35 51 40 4½ 44 31½ 2 52 41 4 23 10 5 0 0½ 43 10	5 18½ 25 24- 30 33- 36 26½ 40 40- 45 7- 53 18 23 46½ 0 50½ 43 45+	25 59 31 17 37 2 41 15 45 42- 53 55 24 22½ 1 40½ 20½	☉ 2d L. α <i>Ophiuchi.</i> α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } ☽ 2d L. 16 ^h 49' 0",9 mean time. <i>Aldebaran.</i> <i>Capella.</i> α <i>Orionis.</i>

In AUGUST MDCCCLXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 21.	58 10+	58 47	6 59 24½ 7 20 14— 27 42— 31 35—	20 55+ 28 17+ 32 14½	0 39 21 36½ 28 52 32 45	Venus's Center. 20 ^h 55' 4" mean time. Castor. Procyon. Pollux.
♂ 22.	5 3— 28 18+ 34 40 38 54 43 21½	5 38+ 29 3 35 15½ 39 29+ 43 56+	10 6 14+ 8 24 18 29 48— 19 35 51 40 4½ 44 31½	9 0 32+ 36 26½ 40 40— 45 7	9 35+ 16½ 37 2 41 15— 45 41½	☉ 1st L. ☉ 2d L. α Lyræ. γ } α } Aquilæ. β
♂ 24.	38 54 21 58— 58 20½ 2 49 10 48½ 42 0— 53 48½ 34 19½ 8—	39 29½ 22 34— 59 10½ 3 24 11 28+ 42 35 43 56+ 11 45—	19 40 4½ 4 23 10 5 0 0½ 3 59+ 12 8 43 10 Cloudy 7 12 22	40 40 23 46+ 0 51— 4 34½ 12 48— 43 45+ 36 9—	41 15— 24 22½ 1 40½ 5 10— 13 27½ 44 20+ 36 45— 13 26+	α Aquilæ. Aldebaran. Capella. Rigel. β Tauri. α Orionis. ☉ 2d L. Syrius. Venus's Center. 20 ^h 56' 11".5 mean time.
♂ 25.	53* 0	16 41 35 1 42	10 17 17— 19 26 5 43 10 7 2 22½	2+ 43 45 3 3—	37½ 20+	☉ 1st L. ☉ 2d L. α Orionis. ☉ 2d L. 20 ^h 42' 17".7 mean time. *42
♂ 26.	19 46½ 42 0 34 20 19 53	20 22— 59 10½ 3 24+ 42 35 34 56 20 30	20 57+ 23 7+ 5 0 0½ 3 59½ 43 10+ 6 35 32½ 7	23 42½ 0 50½ 4 34½ 43 45½ 36 9	18 44 20+ 36 45+	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Syrius. Venus's Center.
♂ 27.	23 25	24 1	10 24 37 26 46	27 22	27 58	☉ 1st L. ☉ 2d L. With the new Reflector at 22 ^h 15' 49" by this Clock, the fourth Satellite of Jupiter emerged. Apparent Time 11 ^h 48' 41". 34 24½ 42 24+ 58 20+ 2 49 42 0 35 2½ 42 59 59 10½ 3 24 35 55½ 0 10 33 35 40 43 34 5 0 0½ 3 59½ 43 10 6 35 32+ 7 20 14 25 31 27 42— Jupiter's Center. 13 ^h 43' 43".7 mean time. Andromedæ. Saturn's Center. 14 ^h 16' 39".3 mean time. Capella. Rigel. α Orionis. Syrius. Castor. Venus's Center. 20 ^h 57' 30".5 mean time. Procyon.
♀ 28.			10 28 16 30 25½	31 1	31 36½	☉ 1st L. ☉ 2d L.
♂ 29.	32 37— 42 0—	33 25½ 42 34½	10 20 34 14½ 0 43 10—	34 40 35 3½	35 15 35 52+ 19+	☉ 2d L. α Cygni. Saturn's Center. 14 ^h 8' 23".3 mean time.
☉ 30.	26 14 48— 52+	26 54 42 22+ 27½ 34 56½	0 9 23½ 27 34 42 57½ 1 13 3— 6 35 33 7 27 43— 38 51+	28 14+ 13 38 36 9½ 28 17½	28 54+ 14 13+ 46 28 53 40 5	Jupiter's Center. 13 ^h 30' 46".6 mean time. Andromedæ. Saturn's Center. 14 ^h 4' 15".1 mean time. Ceti. Syrius. Procyon. Venus's Center. 20 ^h 59' 0".7 mean time.
♂ 31.	38 2½ 11½ 7 49+ 34 51 41 34½ 58 21 2 50— 10 50—	37½ 29 3 8 24 35 26 42 10— 59 11 3 25— 11 29 34 56½ 19 33 27 7½ 42 4+	10 39 13 41 22 18 29 48— 0 8 58½ 36 1 42 44½ 5 0 1 4 0+ 12 49— 6 35 33 7 20 14½ 27 43— 43 18½	48½ 57½ 30 32+ 36 36 0 51 4 35+ 12 48+ 36 9½ 20 56 28 17½	40 23½ 42 33— 9 7½ 37 11 43 54+ 1 41 5 11— 13 28— 44 33—	☉ 1st L. ☉ 2d L. α Lyræ. Jupiter's Center. 13 ^h 26' 25".7 mean time. 60 Piscium. Saturn's Center. 14 ^h 0' 6".2 mean time. Capella. Rigel. β Tauri. Syrius. Castor. Procyon. Venus's Center. 20 ^h 59' 31".3 mean time.
♂ SEPT. 1.			10 42 51 45 0—	45 35		☉ 1st L. ☉ 2d L.
♂ 5.	56 10+		10 Cloudy			☉ 1st L.

In SEPTEMBER MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
5.	16 53+	17 32+	11 18 11+		0 39½	⊙ 2d L.
	38 55	35 16+	19 35 52	36 27+	19 29+	⊙ 1st L. 5 ^h 17' 50",8 mean time.
	43 23-	29 30+	40 5½	40 41	41 16	γ } <i>Aquilæ.</i>
	5 42-	43 57½	44 33-	45 8	45 43	β } <i>Jupiter's Center.</i> 13 ^h 4' 38",4 mean time.
		6 17-	0 6 51½		8 1+	10 <i>Ceti.</i>
		14 46+	15 21+	15 56+		<i>Pole</i> * ; above.
		29 5	46 6	3 7		60 <i>Pisium.</i>
	34 52-	35 27-	36 2		37 12+	<i>Saturn's Center.</i> 13 ^h 39' 18",4 mean time.
	40 27+		41 37+	42 12	42 47+	<i>Capella.</i>
	58 22	59 12+	5 0 2+	0 52+	1 42	<i>Rigel.</i>
	2 51+	3 26+	4 1½	4 37-	5 12	β <i>Tauri.</i>
		11 30+	12 10	12 49½		α <i>Orionis.</i>
		42 36½	43 12-	43 47	44 22+	<i>Syrus.</i>
	34 21+	34 57½	6 35 34	36 11-	36 47	<i>Procyon.</i>
	4 37+	27 8½	7 27 44-	28 19		<i>Venus's Center.</i> 21 ^h 2' 19",4 mean time.
		5 14	8 5 51		7 5-	
7.		35 16½	19 35 52	36 27½		γ } <i>Aquilæ.</i>
		29 30+	40 6-	40 41		α } <i>Jupiter's Center.</i> 12 ^h 56' 42",7 mean time.
		43 57½	44 33-	45 8		10 <i>Ceti.</i>
	4 48+	5 23	0 5 58-	6 33-	7 7+	<i>Saturn's Center.</i> 13 ^h 30' 57",8 mean time.
		46+	15 21+	15 56		α <i>Orionis.</i>
	39 58+	40 33+	41 8½		42 18+	
	42 2-	42 36½	5 43 12-	43 47	22+	
8.	7 0+	7 35+	11 8 10½			⊙ 1st L.
			10 19	10 54	11 29	⊙ 2d L.
	19+	29 4-	18 29 48+	30 33	17½	α <i>Lyræ.</i>
	59 22-	0 2-	19 0 42		2 3-	⊙ 1st L. 7 ^h 47' 31",1 mean time.
With the new Reflector at 21 ^h 38' 54" the second Satellite of Jupiter immersed. Apparent Time 10 ^h 28' 5".						
		27 8½	7 27 44-	28 19		<i>Procyon.</i>
10.	14 14-	14 48+	11 15 24-			⊙ 1st L.
			17 32	18 7+	18 42	⊙ 2d L.
	39	33 28-	20 34 16+	35 5+	54	α <i>Cygni.</i>
	46 59-	47 37+	48 16+		49 35-	⊙ 1st L. 9 ^h 26' 54",2 mean time.
With the new Reflector at 22 ^h 45' 18" the third Satellite of Jupiter immersed. Apparent Time 11 ^h 27' 6",2.						
12.	21 26	22 0½	11 22 35½	25 10+	54	⊙ 1st L.
						⊙ 2d L.
14.	20 38	29 13	11 29 48			⊙ 1st L.
			31 56+	32 31+	36+	⊙ 2d L.
15.	23 39	24 15	17 24 51	25 27	26 2+	α <i>Ophiuchi.</i>
	1 5	1 40	0 2 15	2 50	3 25	<i>Jupiter's Center.</i> 12 ^h 21' 40" mean time.
With the new Reflector at 0 ^h 43' 1" the second Satellite of Jupiter immersed. Apparent Time 13 ^h 6' 36".						
	54 26-		0 55 37+	56 13	56 48½	⊙ 2d L. 13 ^h 13' 53",6 mean time.
16.			11 36 59		40 17	⊙ 1st L.
			Cloudy			⊙ 2d L.
17.	39 25+	40 0+	11 40 35+			⊙ 1st L.
19.	28 23	29 7½	18 29 52+	30 37	31 21+	α <i>Lyræ.</i>
	45	35 20½	19 35 56	36 31½	37 7	γ } <i>Aquilæ.</i>
	38 59	39 34+	40 9+	40 45-	41 20	α } <i>Aquilæ.</i>
	43 26+	44 1½	44 36½	45 12-	45 47-	β } <i>Aldebaran.</i>
		40	4 23 16+	23 53-		95 <i>Tauri.</i>
	27 43	28 20+	30 25+	31 4½	31 43+	⊙ 2d L. 16 ^h 32' 21",9 mean time.
	58 27	59 17	5 0 7	0 57	1 47	<i>Capella.</i>
		3 30+	4 6-	4 41		<i>Rigel.</i>
20.	13+	50 48	11 51 23	54 6	41	⊙ 1st L.
			53 31			⊙ 2d L.
24.			12 7 55:			⊙ 2d L.
	34 46½	35 22	19 35 57	36 33	37 8	γ } <i>Aquilæ.</i>
	39 0+	39 35½	40 11	40 46+	41 21+	α } <i>Aquilæ.</i>
	43 28	44 2½	44 38-	45 13	45 48	β } <i>Jupiter's Center.</i> 11 ^h 40' 55" mean time.
With the new Reflector at 20 ^h 15' 49" the first Satellite of Jupiter emerged. Apparent Time 8 ^h 7' 46".						
	32 43	33 31½	20 34 20+	35 9½	58	α <i>Cygni.</i>
	56 45		23 57 55-		59 4+	<i>Jupiter's Center.</i> 11 ^h 40' 55" mean time.
			0 15 27			10 <i>Ceti.</i>
	35 32+		36 42		37 52-	<i>Saturn's Center.</i> 12 ^h 19' 35",9 mean time.
	30 23	31 3-	7 31 42½	32 22½	33 2	<i>Pollux.</i>
	31 36+	32 12+	9 32 48+		34 1-	<i>Venus's Center.</i> 21 ^h 14' 14",3 mean time.
	49 42-		50 57	51 34½	52 12+	⊙ 2d L. 21 ^h 32' 19",7 mean time.
			56 39	57 15+	57 51+	<i>Regulus.</i>
25.	8 14+	8 49-	12 9 24			⊙ 1st L.

In OCTOBER MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
25.	34 47 39 1 43 28+ 35 15½	35 22+ 39 36 44 3+	12 11 32+ 19 35 58- 40 11+ 44 38½ 0 36 25 9 37 23+	12 7½ 36 33+ 40 46½ 45 13½	12 42+ 37 8½ 41 21½ 45 48+ 37 35-	☉ 2d L. γ } Aquilæ. α } β } Saturn's Center. 12 ^h 15' 23", 1 mean time. Venus's Center. 21 ^h 14' 52", 7 mean time.
26.	11 51+ 34 47½	12 26+ 35 23-	12 13 1+ 15 9½ 18 19	15 44½ 30 39-	16 19+ 31 23+	☉ 1st L. ☉ 2d L. α Lyrae. γ Aquilæ.
27.	55 18 41½	16+	23 56 28 0 35 51+	57 3 14 50	57 38- 15 24½ 37 1	Jupiter's Center. 11 ^h 27' 40", 7 mean time. 44 Piscium. Saturn's Center. 12 ^h 6' 57", 5 mean time.
28.	19 5-	19 40	12 20 15+ 22 23+ 18 30 54½	22 58½	4-	☉ 1st L. ☉ 2d L. α Lyrae.
29.		35 23+ 39 37 44 4+ 33 33	12 23 52+ 19 35 58½ 40 12½ 44 39+ 20 34 22	36 34+ 40 48- 45 14+ 35 11		☉ 1st L. γ } Aquilæ. α } β } α Cygni. With the new Reflector at 4 ^h 2' 45" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 15 ^h 35' 27". 22 43+ 4 23 20 23 56½ Aldebaran.
30.		26 55	12			☉ 1st L.
Oct. 2.	52 55+ 33 17- 41+ 8-	35 23+ 39 37 44 4½ 53 30½ 33 51+ 19 42+ 27 16+ 31 4½ 8 43+	19 35 59- 40 12½ 44 40- 23 54 6- 0 26 58½ 34 26+ 46 12½ 7 20 24- 27 51+ 31 44+ 10 9 20-	30 34½ 40 48- 45 15- 21 5+ 26 32 24+	55 15+ 35 36 1½ 10 31+	γ } Aquilæ. α } β } Jupiter's Center. 11 ^h 5' 37", 8 mean time. 15 Ceti. Saturn's Center. 11 ^h 45' 51", 7 mean time. Pole *; above. Castor. Procyon. Pollux. Venus's Center. 21 ^h 19' 11" mean time.
5.	44 31 28 27 37 21 29+ 51 33 32 25 26 41½ 30 25 21 45	45 6 29 10 38 1½ 35 23+ 39 37 44 4+ 33 33 52 8 27 16+ 31 5- 56 5+ 22 20½	12 45 41 47 50 18 29 55 38 42 19 35 58½ 40 12½ 44 39½ 20 34 22 23 52 43- 0 26 58+ 33 35- 7 27 51½ 31 44½ 9 56 41+ 10 22 56	48 25 40- 36 34 40 48- 45 14½ 35 11 28 27- 32 24+ 57 17+	49 0 41 23- 45 49+ 53 52+ 34 44+ 29 1½ 33 3½ 57 53- 24 7	☉ 1st L. ☉ 2d L. α Lyrae. ☉ 1st L. 5 ^h 39' 17", 9 mean time. γ } Aquilæ. α } β } α Cygni. Jupiter's Center. 10 ^h 52' 27", 2 mean time. 15 Ceti. Saturn's Center. 11 ^h 33' 12", 5 mean time. Procyon. Pollux. Regulus. Venus's Center. 21 ^h 20' 57", 2 mean time.
6.	10+ 32 8 32 44 51 6½ 32 7	48 45+ 32 48 35 23+ 39 37 44 4+ 33 33- 44 49½ 56 31	12 49 20+ 51 30+ 19 33 28 35 58½ 40 12+ 44 39+ 20 34 22 22 45 30+ 23 52 15 57 11-	52 5+ 36 34 40 48- 45 14+ 35 11 46 11+ 57 50½	52 40+ 34 48 35 59½ 58 29½ 34 26+	☉ 1st L. ☉ 2d L. ☉ 1st L. 6 ^h 29' 59", 2 mean time. γ } Aquilæ. α } β } α Cygni. Fomalhaut. Jupiter's Center. 10 ^h 48' 4", 2 mean time. α Andromeda. Saturn's Center.
7.	51 50 32 44	52 25 33 33	12 53 0 55 9+ 20 34 22	55 44+ 35 11	56 19+ 36 0	☉ 1st L. ☉ 2d L. α Cygni.
10.	2 51-	3 25½ 57 16+	13 4 1- 6 11-	6 46	7 21	☉ 1st L. ☉ 2d L. ☉ 1st L.
12.	10 15	23+	13 0 26 58+ 31 36+	14 11 27 33	14 45	☉ 1st L. ☉ 2d L. 15 Ceti. Saturn's Center. 11 ^h 3' 43", 5 mean time.

IN OCTOBER MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
12.	32 48	33 23	0 33 59		35 10	1st L. 11 ^h 6' 6" mean time.
15.	27 46-	29 11½ 33 34½ 44 51-	18 29 56+ 20 34 23+ 22 45 31½ 23 48 30 0 18 48 27 0 3 11 56	30 41 35 12+ 46 12+ 49 5	31 25½ 36 1 49 40	α Lyrae. α Cygni. Fomalhaut. Jupiter's Center. 10 ^h 8' 56", 2 mean time. 11 } Ceti. 15 } 2d L. 13 ^h 31' 47", 2 mean time. With the new Reflector at 3 ^h 23' 54" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 13 ^h 57' 9".
	58 9½ 33- 3 1 11 1- 42 12-	22 45½ 59 22+ 3 36+ 11 40+ 42 47	4 11 28½ 15 49+ 23 22- 5 0 13- 4 12- 12 20 43 22 7 20 25+ 27 53- 31 46 9 56 42½ 11 8 5-	12 5+ 23 58½ 1 3- 4 47 13 0- 43 57	24 34½ 1 52½ 5 22 13 39+ 44 32+ 10 15+	64 } Tauri. Aldebaran. Capella. Rigel. β Tauri. α Orionis. Castor. Procyon. Pollux. Regulus. Venus's Center. 21 ^h 26' 38", 7 mean time.
10.	25 8½ 32 46+ 44 10½ 46 58-	25 44 33 35 44 51½ 47 32½	13 26 19 28 30+ 20 34 24- 22 45 32+ 23 48 7+ 0 5 4 12½	29 5½ 35 13- 46 13- 4 4 47½	40½ 1½ 46 54 49 17 32 42 5 23-	☉ 1st L. ☉ 2d L. α Cygni. Fomalhaut. Jupiter's Center. 10 ^h 4' 35" mean time. Saturn's Center. Rigel. β Tauri.
17.	28 54-	29 28½	13 30 4+ 32 15½	32 51+ 33 26+		☉ 1st L. Naked eye. ☉ 2d L. Glafs.
18.	28 51+ 18 7½	29 26½	0 25 20 30 2- 35 52- 41 58 6 19 28	20 38+ 20 48½	31 11+ 20 48½	α Andromedæ. Saturn's Center. 10 ^h 38' 30", 7 mean time. ε Andromedæ. 20 Ceti. 2d L. 16 ^h 26' 59", 5 mean time.
19.	34 34½ 3-	24½ 46 31 8	5 0 14½ 4 13½ 7 20 27½ 25 47 27 55+ 31 48 8 30 17+	4½ 48+ 26 27 30 28	54½ 7 5+	Capella. Rigel. Castor. 2d L. 17 ^h 29' 11", 8 mean time. Procyon. Pollux.
20.	11 34½ 3- 14- 46 20 8+ 28 59-	47+ 24½ 38- 42 48+ 46 20 8+	4 23 23½ 5 0 14½ 4 13 12 22 43 23½ 7 20 27½ 27 55+ 31 48 8 30 17+	4½ 48+ 59 9 30+ 28+ 57-	36 54½ 23+ 41 34 50 5+ 36-	Aldebaran. Capella. Rigel. β Tauri. α Orionis. Castor. Procyon. Pollux. 2d L. 18 ^h 29' 35", 2 mean time.
21.	59- 5- 32½ 47½ 30 4+	34 13 40 7+ 36+	13 45 10- 47 21+ 18 29 58- 19 40 15+ 44 42+ 20 34 25 9 31 20½	57 30 42½ 50½ 17½ 14 31 58+	32½ 26- 52+ 2+ 36+	☉ 1st L. ☉ 2d L. α Lyrae. α } Aquilæ. β } α Cygni. 2d L. very faint. 19 ^h 26' 32", 7 mean time.
22.	47 46+	22-	13 48 57+ 51 9½	45+ 20½		☉ 1st L. ☉ 2d L.
26.	3 4 50+ 4+ 32- 47- 49	3 40 25½ 39+ 6½ 35½ 12+ 24½	14 4 16 19 36 1+ 40 14½ 44 42- 20 34 24+ 23 0 28 0 10 21	37- 50 17 13	12 25 52 2- 9½	☉ 1st L. very hazy. γ } Aquilæ. α } β } α Cygni. Jupiter's Center. Saturn's Center. 10 ^h 4' 12" mean time.
27.	56	31½	14 8 8- 10 21	57- 32+		☉ 1st L. ☉ 2d L.

Nov. 1. I wound up the Clocks, and put the Quadrant Clock back 54".

In NOVEMBER MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 1.	25	27 1-	14 27 37 29 52-	28-	31 3½	☉ 1st L. ☉ 2d L. Saturn's Center. 9 ^h 40' 4",3 mean time.
♂ 2.	46- 12- 49 55- 15+	34½ 52 25 29+ 50	20 34 23+ 22 45 33- 54 1- 23 43 4+ 0 26 25	12- 14- 37-	1 54 12½ 14+ 34½	♂ Cygni. Fomalhaut. α Pegasi. Jupiter's Center. 8 ^h 52' 42",5 mean time. Saturn's Center. 9 ^h 35' 56",1 mean time.
♂ 4.	12½ 49½ 31½ 24 51	53- 25+ 6½ 25 26	22 45 33½ 54 1½ 23 42 42- 0 25 56½	14½ 37+ 43	55- 13+ 51+ 10+	Fomalhaut. α Pegasi. Jupiter's Center. 8 ^h 44' 28",2 mean time. Saturn's Center. 9 ^h 27' 35",9 mean time. With Mr. Short's Reflector at 1 ^h 8' 50" the second Satellite of Jupiter emerged. Apparent Time 10 ^h 26' 31".
♂ 5.	42 15 50½ 4+ 32 47- 39- 31-	45 5- 25½ 39½ 7- 35+ 13+ 7½	14 Cloudy 45 41+ 19 36 1+ 40 15- 44 42 20 34 24+ 0 25 48½ 32 44+	46 18- 37 50 17 13 21½	46 54- 37 12 25 52 2- 58 58	☉ 1st L. ☉ 2d L. γ } Aquilæ. β } α Cygni. Saturn's Center. 9 ^h 23' 32",1 mean time. β Ceti.
♂ 6.	12½ 28 50½ 4 32 47-	40 49 12 25½ 39½ 35½ 35 49	14 47 25+ 49 41 18 29 57 19 36 1+ 40 15- 20 34 24+ 22 36 26+ 45 33	17+ 42 36½ 50 13 13½	53½ 26 12 25 2- 37 40 54	☉ 1st L. ☉ 2d L. α Lyrae. γ } Aquilæ. β } α Cygni. ♂ 1st L. 7 ^h 30' 31",8 mean time. Fomalhaut.
♂ 9.	15-	51	14 59 27+ 15 1 44	20+	57-	☉ 1st L. Hazy. ☉ 2d L.
♂ 10.	2 18-	2 54	15 3 31- 5 47 12 46 31 13 5 10+	6 23½	7 0	☉ 1st L. ☉ 2d L. Pole *; below. Venus's Center. 21 ^h 41' 10",1 mean time.
♂ 11.	6 21 28 4 32 47- 33+ 43 0-	6 58- 12 25+ 39+ 6½ 35+ 8+ 43 36½	15 7 34+ 9 51 18 29 57 19 36 1+ 40 14½ 44 42- 20 34 24 23 41 43- 0 24 43 2 44 14 46 32½ 4 23 23½ 5 0 14+ 4 13+ 13 9 44+	10 28- 30 42+ 36+ 50 17 13 47 10 47 46½	11 4+ 31 26 12 25 51½ 1½ 42 53 53 47 46½	☉ 1st L. ☉ 2d L. α Lyrae. γ } Aquilæ. β } α Cygni. Jupiter's Center. 8 ^h 15' 58",4 mean time. Saturn's Center. 8 ^h 58' 51",6 mean time. ♂ 1st L. 11 ^h 17' 59",7 mean time. ♂ 2d L. Aldebaran. Capella. Rigel. Venus's Center. 21 ^h 41' 47",5 mean time.
♂ 12.	26- 28+ 50+ 47-	2+ 12+ 25+ 35+	15 11 39 13 56- 18 29 57+ 19 20 34 24	33- 42+ 13	9½ 26 1½	☉ 1st L. ☉ 2d L. α Lyrae. γ Aquilæ. α Cygni.
♀ 13.	46½ 40 23½ 55	15 7½ 35 40 58+ 34	15 17 7½ 18 1 20 34 24+ 23 41 33 57 14-	13 53+	1½ 42 43 32+	☉ 1st L. Naked eye. ☉ 2d L. α Cygni. Jupiter's Center. 8 ^h 7' 56",9 mean time. α Andromedæ.
♂ 14.	35 3 14 53 41½	25 38 43 49+	15 22 8 5 0 15 4 14 12 22½ 43 24+ 55 2-	22 45 1 5+ 49 2+ 59½ 42	21+ 55 54 34½ 21+	☉ 2d L. faint. Capella. Rigel. β Tauri. α Orionis. ♂ 2d L. 14 ^h 16' 28",6 mean time.
☉ 15.	2 5	19 47+	7 3 25+ 20 29	4 6 10½	4 46 51+	♂ 2d L. 15 ^h 20' 45" mean time. Castor.

In NOVEMBER MDCC LXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
15.	26 46+	27 21+	7 27 57- 31 40½	32 29+	6+ 9	Procyon. Pollux.
17.	31 0+ 13 55 35 3 14 46 29 9- 48+	31 37 40 47½ 25 34+ 38 43 42 49+ 19 47+ 27 21 31 9+ 24-	15 32 14 34 32+ 23 41 22+ 57 14- 5 0 15 4 14 12 22½ 43 24+ 7 20 29 27 56½ 31 49½ 9 13 25+ 10 59 55 25 56 46	10- 53+ 5 49 2+ 59½ 10+ 32- 29+ 4 34½	46+ 42 32+ 32+ 55 54 42 34+ 51 6+ 9- 42- 10	☉ 1st L. ☉ 2d L. Jupiter's Center. 7 ^h 52' 2", 7 mean time. α Andromedæ. Capella. Rigel. β Tauri. α Orionis. Castor. Procyon. Pollux. ☽ 2d L. 17 ^h 22' 32" mean time. α Hydræ. γ Leonis. Regulus.
18.	46½ 55- 32 37+ 33 14+	34½ 46 34 6+ 19 47 27 21- 31 9 49½	20 34 24- 23 41 21 57 13½ 0 23 41+ 7 20 29- 27 56 31 49 9 55 25- 56 46+:: 10 11 52+ 11 34 24+	12½ 53 10 31+ 29 12 29	1+ 42 30½ 32 24 51 13 6+ 35 34½	α Cygni. Jupiter's Center. 7 ^h 48' 5", 7 mean time. α Andromedæ. Saturn's Center. 8 ^h 30' 19", 2 mean time. Castor. Procyon. Pollux. γ Leonis. Regulus. ☽ 2d L. 18 ^h 16' 53", 6 mean time. Mars's Center. 19 ^h 39' 12", 1 mean time.
19.	26	39 55 10+	15 40 32 18 29 55 19 40 12+	40	31 24	☉ 1st L. Naked eye. α Lyra. α Aquilæ.
21.	10 3-		23 41 20 12 46 14	46 49+ 47 25-		Jupiter's Center. 7 ^h 36' 17" mean time. ☽ 2d L. 20 ^h 39' 2", 4 mean time.
24.	39 1	39 36+	19 40 11+	40 47-	22	α Aquilæ.
25.	With the new Reflector at 23 ^h 9' 12" the first Satellite of Jupiter emerged. Apparent Time 7 ^h 1' 0". The Satellite appeared hazy and faint.					
27.	40 33½ 55 50½ 21 34	41 8½ 56 30- 22 9+	23 41 44- 57 9+ 0 22 44	57 48½	42 53+ 58 28- 54	Jupiter's Center. 7 ^h 13' 6", 7 mean time. α Andromedæ. Saturn's Center. 7 ^h 54' 0", 2 mean time.
28.	17 23-	18 0+	16 18 38 20 59	21 37-	22 14+	☉ 1st L. ☉ 2d L.
30.	26 57 28 19½ 55+ 37 44 2 40 50 21 18-	29 4 39 30+ 43 14 33 25½ 44 42 41 25 21 52+ 28 47 28 54	16 27 12+ 29 33+ 18 29 48½ 19 40 6- 43 55- 20 34 14+ 22 45 23 23 42 0 0 22 27+ 45 49 12	30 11 30 33 41+ 45 35+ 35 4- 46 4 2 50 3 10::	58+ 31 17½ 16+ 52 44 43 10:: 23 37+	☉ 1st L. ☉ 2d L. α Lyra. α Aquilæ. ☽ 1st L. 3 ^h 4' 10", 6 mean time. α Cygni. Fomalhaut. Jupiter's Center. 7 ^h 1' 36", 8 mean time. Saturn's Center. 7 ^h 41' 57", 5 mean time. Pole *; above. Pole *; below.
Dec. 1.	At 11 o'Clock Mane I wound up the Clocks. The Clock was not stopped.					
	30 7+	30 45	16 31 23 33 44	34 22	35 0-	☉ 1st L. ☉ 2d L.
3.	38 40 28 3 38 39+ 32 21 14 44 41 5 20 56 3 11	39 17+ 28 47+ 33 10- 15 21 49 27+ 41 40- 21 30+ 28 29 3 45+ 28 25	16 39 55- 42 17- 18 29 32 19 20 33 59- 22 15 58½ 23 42 14½ 0 32 5½ 45 27 12 4 20½ 45 25::	42 54+ 30 17- 34 48- 45 48½ 2 29 2	43 31½ 31 1 41 0 34 36+ 17 13 46 29 43 24 23 15 5 30	☉ 1st L. ☉ 2d L. α Lyra. α Aquilæ. α Cygni. ☽ 1st L. 5 ^h 24' 22", 1 mean time. Fomalhaut. Jupiter's Center. 6 ^h 50' 24" mean time. Saturn's Center. 7 ^h 40' 6", 8 mean time. Pole *; above. Mars's Center. 19 ^h 10' 28", 4 mean time. Pole *; below.
4.	43 0- 28 2+ 45+	43 37½ 28 46+ 2 22	16 44 16- 46 37+ 18 29 31+ 23 2 58+	47 15+ 30 16-	47 53- 31 0 4 11+	☉ 1st L. ☉ 2d L. α Lyra. ☽ 1st L. 6 ^h 7' 19", 3 mean time.

In DECEMBER MDCCCLXI.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4.	4 12	4 49	14 5 26½	6 4-	6 41-	<i>Arcturus.</i>
5.	20½	47 58	16 48 36+	51 36	52 13½	☉ 1st L. Very unusual tremor.
	28 0+	28 45	18 29 30	30 15-	30 59+	☉ 2d L.
	37	39 12	19 39 47+	40 22½	40 58-	<i>α Lyræ.</i>
	32 18½	33 7+	20 33 56+	45+	34	<i>α Aquilæ.</i>
	43 44	44 25-	22 45 5+	45 45+	46 26	<i>α Cygni.</i>
	25½	42 0+	23 42 35		44 45	<i>Fomalhaut.</i>
	48 2+	48 38+	49 14+		50 26+	<i>Jupiter's Center.</i> 6 ^h 42' 54", 6 mean time.
	50½	21 25+	0 22 0+		23 10	☽ 1st L. 6 ^h 49' 32", 8 mean time.
7.			23 43 0		44 9+	<i>Saturn's Center.</i> 7 ^h 22' 13", 4 mean time.
8.	0 26	1 3½	17 1 41½			<i>Jupiter's Center.</i> 6 ^h 35' 29", 7 mean time.
		14 47+	2 15 24	4 42	5 19+	☉ 1st L.
						☉ 2d L.
						☽ 1st L. cloudy. 9 ^h 3' 33", 9 mean time.
10.	With the six foot Reflector at 2 ^h 58' 25" by this Clock, 2 9 <i>Tauri</i> immersed behind the Moon. Apparent Time 9 ^h 44' 59". Clouds prevented the emerfion.					
	21 41:	11 22-	4 12 1-	23 30-	13 18	☽ 1st L. Hazy. 10 ^h 52' 1", 7 mean time.
		22 17+:	22 53+::		6	<i>Aldebaran.</i> Very faint.
11.		14 15-	17 14 52+	17 53-	31-	☉ 1st L.
	48	43 23	23 43 58		45 8	☉ 2d L.
	21 41	22 17	4 22 53+	23 30-	24 5½	<i>Jupiter's Center.</i> 6 ^h 20' 47", 9 mean time.
						<i>α Andromedæ.</i>
						<i>Aldebaran.</i>
20.	3 58	35+	14 5 13-	5 50		<i>Arcturus.</i>
	6 29-		7 41½	8 18	8 54+	☽ 2d L. 20 ^h 6' 55", 7 mean time.
21.		58 23	17 59 1+	2 2½	2 40+	☉ 1st L. Hazy.
	21 10-	21 45-	18 1 24+			☉ 2d L.
			0 22 19+			<i>Saturn's Center.</i> 6 ^h 19' 53", 8 mean time.
22.	21 13½		0 22 23+		23 33	<i>Saturn's Center.</i> 6 ^h 16' 2", 9 mean time.
			45 15			<i>Pole *</i> ; above.
23.	40 45	41 20	12 41 55		43 5	<i>Mars's Center.</i> 18 ^h 29' 38", 2 mean time.
	11 51+	12 26+	45 16			<i>Pole *</i> ; below.
	3 55	4 32	13 13 2+	13 38	14 13	<i>Antares.</i>
			14 5 9+	5 46+	6 23+	<i>Arcturus.</i>
26.	19 54	20 32	18 21 10	11		☉ 1st L.
			23 33	24 11	24 49	☉ 2d L.
27.		24 58	18 25 36			☉ 1st L. Hazy.
	48 18	48 53	27 59	28 37	29 15-	☉ 2d L.
			23 49 28	3	50 38	<i>Jupiter's Center.</i> 5 ^h 23' 38", 1 mean time.
	43-	17+	56 25½			<i>α Andromedæ.</i>
			0 22 52+		24 2+	<i>Saturn's Center.</i> 5 ^h 56' 56", 9 mean time.
28.	28 45	29 23	18 30 1			☉ 1st L.
			32 24	33 2	33 40	☉ 2d L.
29.		33 48	18 34 26			☉ 1st L. Naked eye.
30.	35	38 13	18 38 51			☉ 1st L.
	56 49-	57 26+	41 14-	51+	29½	☉ 2d L.
	38	12½	21 58 3+		59 19	☽ 1st L. 3 ^h 20' 42", 9 mean time.
			23 50 48-		57+	<i>Jupiter's Center.</i> 5 ^h 13' 8", 9 mean time.
		58 35	4 22 34	23 10	46	<i>Aldebaran.</i>
		2 48	59 25	0 15		<i>Capella.</i>
			5 3 23+	3 59		<i>Rigel.</i>
31.	42 0	42 38-	18 43 16	46 16	46 54+	☉ 1st L.
	43 53	44 29::	45 38+		46 19	☉ 2d L.
			22 45 6			☽ 1st L. 4 ^h 3' 44", 4 mean time.
	With Mr. Short's new Reflector at 2 ^h 49' 35" by this Clock, the second Satellite of Jupiter emerged. Apparent Time 8 ^h 3' 39".					

In JANUARY MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
JAN. 1.	I examined the Spirit Level and North and South Marks, and found them very exact.					
2.	53 4 50 54 14 44 22 20½	53 41+ 51 29- 15 20- 22 55+	18 54 19½ 23 52 4- 0 15 55+ 23 30+ 44 37 4 22 21+ 59 12+ 5 3 11 42 21+	54 57+ 22 57½ 0 2+ 3 46- 42 56+:	35 53 13+ 17 6½ 24 40 23 34 52+ 4 21+ 43 32	⊙ 2d L. Jupiter's Center. 5 ^h 2' 52",5 mean time. ☽ 1st L. 5 ^h 26' 40",1 mean time. Saturn's Center. 5 ^h 34' 13",9 mean time. Pole *; above. Aldebaran. Capella. Rigel. Faint. α Orionis.
5.	48- 52 22 48 40 39 57 30-	4 25+ 52 57 23 22½ 41 16: 58 19½	19 5 3+ 7 25+ 23 53 32 0 23 58- 44 28 2 41 53 4 59 9½ 5 3 8+	8 3+ 59 59½ 3 43+	8 41- 54 42 7½ 43 7 0 49+ 4 18+	⊙ 1st L. ⊙ 2d L. Jupiter's Center. 4 ^h 52' 34" mean time. Saturn's Center. 5 ^h 22' 54",8 mean time. Pole *; above. ☽ 1st L. 7 ^h 40' 28",5 mean time. Capella. Rigel.
7.	12 32 53 25 9½ 21 5- 39 39½ 57 28½ 41 7+	13 10 54 0 23 44 21 41 40 19 58 18½ 41 42+ 41 42+	19 13 48 16 9+ 23 54 35 0 24 19+ 44 23 4 22 17+ 40 58 59 8½ 5 3 7 42 18-	47+ 22 53½ 59 58½ 3 42+ 42 53	25+ 45 25 29+ 23 30 42 17- 0 48½ 4 17½ 43 28	⊙ 1st L. ⊙ 2d L. Jupiter's Center. 4 ^h 45' 47",6 mean time. Saturn's Center. 5 ^h 15' 26",9 mean time. Pole *; above. Aldebaran. ☽ 1st L. 9 ^h 31' 23",7 mean time. Capella. Rigel. α Orionis.
8.	16 54- 57 28 55½ 47 31	17 31+ 58 18 2 31 41 42 48 11	19 18 9+ 20 31- 4 59 8 5 3 6½ 42 17 48 51	21 8½ 59 58 41½ 42 52+	21 46+ 0 48 4 17 50 11+	⊙ 1st L. ⊙ 2d L. Capella. Rigel. α Orionis. ☽ 1st L. 10 ^h 35' 10",3 mean time.
10.	11 57½		8 13 17-	13 56+	4 36	☽ 2d L. hazy. 12 ^h 51' 21",6 mean time.
13.	38 34	39 11+	19 39 49- 42 9½ 0 44 15	42 47	43 24+	⊙ 1st L. ⊙ 2d L. Pole *; above.
14.	57 22 36+	57 55: 25 11 58 15 2 28	23 58 31+ 0 25 46- 44 16 4 22 14- 59 5 5 3 4-	59 41 26 55+ 59 55 39		Jupiter's Center. 4 ^h 22' 14",5 mean time. Saturn's Center. 4 ^h 49' 24",5 mean time. Pole *; above. Aldebaran. Capella. Rigel.
16.	21+	51 58+	19 52 36- 54 56x	33½	11	⊙ 1st L. ⊙ 2d L.
17.	20 45 57 9	21 21+ 57 59 2 12	4 21 58- 58 49 5 2 47½ 14 37 24 40 25+	22 34 59 39 3 23 41 3	23 10 0 29 39½	Aldebaran. Capella. Rigel. α Libræ. ☽ 2d L. 18 ^h 50' 12",8 mean time.
18.			20 3 17::			⊙ 2d L.
19.	3 57-	4 34+	20 5 12- 7 31	8 8+ 8 8+	8 45+ 8 45+	⊙ 1st L. ⊙ 2d L.
21.			20 15 57½	16 34½	17 11+	⊙ 2d L. Faint.
22.	41 57 5	21 17 57 55 8	4 21 54- 58 45 5 2 43+	22 30 59 35 19	6 25	Aldebaran. Capella. Rigel.
23.	17+ 2 42- 34½	21 24+ 3 17- 27 9+	20 22 1+ 24 20+ 0 3 52- 27 44 43 59	24 57+ 	25 34+ 5 2-	⊙ 1st L. } Hazy and great tremor. ⊙ 2d L. } Jupiter's Center. 3 ^h 52' 33",6 mean time. Saturn's Center. 4 ^h 16' 22" mean time. Pole *; above.
24.		25 34	20 26 11 28 30 0 55	29 7 0 51	44 17 49	⊙ 1st L. ⊙ 2d L. Pole *; above.
25.	At 4 ^h 51' 23" the first Satellite of Jupiter emerged from the Body of Jupiter. Apparent Time 8 ^h 21' 8½.					Aldebaran.
26.	27- 27-	57 49+ 2 2-	4 58 39+ 5 2 38	59 29+ 	48+ 	Capella. Rigel.

In FEBRUARY MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars,
27.	50+	27 34½	18 28 19+	29 4	29 48+	α Lyrae.
28.		33+	12 43 52 13 12 9	0 53 12 44½		Pole *; below. Spica.
29.		29	20	49 42		☉ 2d L. Naked eye.
FEB. 1.		58 26 26 49 18 54- 19 30	20 59 3- 21 1 19+ 0 43 49 2 20 7	1 56 21 20	2 32+	☉ 1st L. ☉ 2d L. Pole *; above. ☉ 1st L. 5h 33' 12", 7 mean time. ☉ 1st L. 5h 33' 12", 7 mean time. Very hazy. The other Satellite scarce visible. Apparent Time 6h 39' 12".
	20 30-	21 6- 33 28+	4 21 42+ 6 34 5-	18+ 34 41+	54+	Aldebaran. Syrius.
	25+	18 6+ 25 40	7 18 48 26 15	19 29+ 26 50+	10+	Castor. Procyon.
	25 5	29 28+	30 9- 12 43 51 13 12 5+	48½ 0 51	37 25	Pollux. Pole *; below. Spica.
	10 55- 58+		43 9		44 19+	Mars's Center. 16h 54' 22", 8 mean time.
3.	9 11+ 20 28	9 50 21 4	4 10 29 21 40+	22 16½	11 46: 22 52½	☉ 1st L. 7h 15' 26", 9 mean time. Aldebaran.
4.	9 55½	10 31+	21		12 21-	☉ 1st L. Naked eye.
5.	55 25+ 49+	14 31+ 21 1+ 57 39+ 1 51+	21 15 8- 17 23+ 4 21 38- 58 29+ 5 2 27+ 10 36+ 41 38 6 21 29½ 34 0½	18 0- 22 14 59 19+ 2½	18 36+ 0 9 37+	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. β Tauri. α Orionis. ☉ 1st L. 9h 18' 16", 1 mean time. Syrius.
6.	17 54½ 32 46+	18 31- 33 22+	21 19 7 21 22½ 6 33 59+	21 59	22 35 35 12	☉ 1st L. ☉ 2d L. Syrius.
7.		22 29+ 20 59 56 47 17 19 24 58+ 28 42½ 39 5	21 23 5½ 25 21 4 21 35½ 58 27+ 5 2 25 7 18 41+ 26 8½ 30 2+ 8 40 23	25 57+ 22 12 59 17+ 3 0½ 19 23 26 43½ 30 42	26 33½ 0 7 20 4 27 18+ 31 21+ 41 41	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. Castor. Procyon. Pollux. ☉ 1st L. 11h 28' 57", 6 mean time.
10.	44½ 43½ 1 11 42+ 43 28½	34 20+ 33½ 1 46+ 19-	21 34 56½ 37 11+ 4 58 23½ 5 2 22- 6 33 55 11 44 40+	47+ 59 14- 2 57 31+ 45 16	23+ 0 4- 32 7½ 45 52	☉ 1st L. ☉ 2d L. Capella. Rigel. Syrius. ☉ 2d L. very hazy. 14h 20' 59", 6 mean time.
11.	40 21+	40 56+	5 41 32-	42 7	42 42	α Orionis.
12.	17+	54-	4 21 30	7-	42+	Aldebaran.
13.		46 2 56 35½	21 46 38 4 58 15½ 5 2 13+	49 27+ 59 5½ 2 48½	59 55½	☉ 1st L. ☉ 2d L. Capella. Rigel.
17.	To day Mr. Shelton took this Clock down and cleaned it.					
18.	56 47 1 15-	57 37 1 50 54	4 58 27 5 2 25+ 10 34+	59 17 11 14	0 7 35½	Capella. Rigel. β Tauri.
19.	8 49 20 21+ 56 45 1 13 37 13+	9 24+ 20 57½ 57 35 48 37 48+	22 10 0- 12 13- 4 21 33½ 58 25 5 2 23+ 19 38 24-	12 48+ 22 10+ 59 15 58½ 38 59	13 24- 22 46+ 0 5 33½ 39 34	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Aquilae.
20.			4 58 23 5 2 21+			Capella. Rigel.
21.			18 28 2½			α Lyrae.
22.	20 11	20 46½ 53	22 21 22 23 34 4 21 29	9½ 5	45	☉ 1st L. Very windy. ☉ 2d L. A great tremor. Aldebaran.

In MARCH MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
22.	40 $\frac{1}{2}$	30 $\frac{1}{2}$ 43 $\frac{1}{2}$	4 58 20 $\frac{1}{2}$ 5 2 19—	10 $\frac{1}{2}$ 54	0 0 $\frac{1}{2}$	Capella. Rigel.
23.	9+	31 $\frac{1}{2}$ 44+	4 58 21 $\frac{1}{2}$ 5 2 19 $\frac{1}{2}$	11 $\frac{1}{2}$ 2 55	1 $\frac{1}{2}$	Capella. Rigel.
26.	21+	57—	22 36 32 38 44	19+	53—	☉ 1st L. ☉ 2d L.
28.	54—	29	22 44 4 46 15			☉ 1st L. ☉ 2d L.
MAR. 1.		55+	5 41 30+	42 5 $\frac{1}{2}$	42 40 $\frac{1}{2}$ 19 58	α Orionis. Castor. Procyon. Pollux.
	28 37	25 28 29 16 $\frac{1}{2}$	26 3 29 56 $\frac{1}{2}$	26 38 30 36+	13 31 16—	
5.		4 13+	23 4 48+	5 23+	58+	☉ 2d L. Windy and cloudy.
8.	13 3+	13 40	10 14 18			☉ 1st L. 11 ^h 8' 49", 8 mean time.
9.		20 44 57 21	23 19 28 4 58 11	20 3 59 1	20 38 51	☉ 2d L. Aldebaran. Capella. Rigel.
	56 31 0 58+ 10—	1 33+ 40 45—	5 2 9— 41 20 6 33 42	2 44+ 30 36+	3 19+ 30	α Orionis. Syrius.
	11 4+	11 41—	11 12 17+		13 29+	☉ 1st L. 12 ^h 2' 45", 3 mean time.
10.	19 47	20 22 1 32 $\frac{1}{2}$	23 20 57 23 7 5 2 8	23 42 2 43 $\frac{1}{2}$	24 17 18+	☉ 1st L. ☉ 2d L. Rigel. Syrius.
	32 28+	33 5—	6 33 41+	34 18—	54—	
11.	23 27—	24 1 $\frac{1}{2}$	23 24 36+ 26 46+	27 21+	27 56+	☉ 1st L. ☉ 2d L.
12.	27 5+	50	23 28 15+ 30 25:			☉ 1st L. ☉ 2d L.
20.		28 4 48+	7 29 38+:	30 10— 8	30 47+	Procyon. Pollux.
21.	59 38 $\frac{1}{2}$	0 13	0 0 48+ 2 57+	3 32 $\frac{1}{2}$ 33 58	4 7 34 34+	☉ 1st L. ☉ 2d L. Syrius.
	32 9+	32 45	6 33 21 $\frac{1}{2}$	18 46+	19 26+	Castor. Procyon. Pollux.
	24 22 28 6+	58 28 46	25 32+ 29 26—	26 7+ 30 5 $\frac{1}{2}$	42+ 30 45	
23.	6 49	7 24	0 7 59 10 8—	10 43— 58 35	11 18— 59 25	☉ 1st L. ☉ 2d L. Capella. Rigel.
	55 5 0 33+	56 55 1 8+	4 57 45 5 43 43 $\frac{1}{2}$	2 19 41 30	2 54 42 5	α Orionis. Syrius.
	32 4	32 40+	6 33 16 $\frac{1}{2}$	33 53	34 29+	Castor. Procyon. Pollux.
	24 17 28 1 $\frac{1}{2}$	17 18 $\frac{1}{2}$ 24 52 28 41	7 18 0— 25 27+ 29 20 $\frac{1}{2}$	18 41+ 26 2 $\frac{1}{2}$ 30 0+	19 22+ 26 37+ 30 40	
28.	24 45+	20	0 25 55 28 4 $\frac{1}{2}$	28 39+	29 14	☉ 1st L. ☉ 2d L.
29.	48+	32 24+ 17 2 $\frac{1}{2}$	6 33 1 7 17 44	33 37+ 25+	34 13 $\frac{1}{2}$ 7—	Syrius. Castor.
	1+ 45+	24 36 25	25 11 $\frac{1}{2}$ 29 5—	46+ 45—	21+ 24+	Procyon. Pollux.
30.	31 56+	32 31	0 33 6 35 15	35 50	36 25	☉ 1st L. ☉ 2d L.
APRIL 1			0 40 17 $\frac{1}{2}$ 42 26+	1 $\frac{1}{2}$	37—	☉ 1st L. ☉ 2d L.
	22—	39 56+ 32 17 $\frac{1}{2}$	5 40 31 $\frac{1}{2}$ 6 32 54	41 7+ 33 30+	42 6	α Orionis. Syrius.
	22+	36 3—	36 43		38 4	☉ 1st L. 5 ^h 58' 17", 9 mean time.
2.	42 43+	43 18+	0 43 53+ 46 2 $\frac{1}{2}$	46 38— 1 54	47 12 $\frac{1}{2}$ 2 29	☉ 1st L. ☉ 2d L. Rigel.
	0 8 31 39 23 52	0 43 32 15+ 24 27	5 1 19— 6 32 52— 7 25 2 $\frac{1}{2}$	1 54 33 28+ 25 37+	2 29 34 4+ 26 12+	Syrius. Procyon. Pollux.
	41 5+ 46 19+	41 45 46 54+	42 25 0 47 29+	35+ 50 14+	15 50 49	☉ 1st L. ☉ 2d L.
3.	46 19+	46 54+	0 47 29+ 49 39—	50 14+ 53 50	50 49 54 25	☉ 1st L. ☉ 2d L.
4.	49 55	50 30	0 51 5 53 15	53 50	54 25	☉ 1st L. ☉ 2d L.

In APRIL MDCCCLXII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 4.	46 23	28 11½ 47 0½	7 28 51+ 9 14 2- 47 38 53 49	29 31 14 37	30 10½ 15 12	<i>Pollux.</i> <i>α Hydræ.</i> ☽ 1st L. 8 ^h 57' 1", 2 mean time. <i>Regulus.</i>
☽ 5.	44 5+	41½	10 45 18+			☽ 1st L. 9 ^h 50' 38", 8 mean time.
♂ 6.	57 7½	57 43	0 58 18 1 0 27+ 4 57 11 5 1 9+ 40 20+	1 2½ 1	37+	☉ 1st L. ☉ 2d L. <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i>
♀ 7.		1 19+	1 1 54+ 4 4+ 7 17 23+ 24 51 28 44	4 39+ 26 24	5 14+ 1 3+	☉ 1st L. ☉ 2d L. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
♂ 8.	21+	56+	1 5 31+ 7 41+	8 16×	8 51+	☉ 1st L. ☉ 2d L.
☽ 12.			1 20 2 22 12 7 40 24			☉ 1st L. ☉ 2d L. <i>Procyon.</i>
♂ 15.	47	23-	1 30 58- 33 9	33 44-		☉ 1st L. ☉ 2d L.
♂ 17.	37 7	37 42+	1 38 18 40 28+	41 4+	41 39+	☉ 1st L. ☉ 2d L.
☉ 18.	40 48+ 15 39 19 3	41 24 10 16 20+ 23 54 27 42½	1 41 59+ 44 10 4 56 46+ 5 0 46- 7 17 2- 24 29 28 22+	44 45½ 36½ 1 21- 17 43 25 4 29 2-	45 21 27- 56 18 24 25 39 29 42	☉ 1st L. ☉ 2d L. <i>Capella.</i> <i>Rigel.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> } Windy. Very windy.
♂ 20.	48 10 1 15 26 59	48 46- 38 23 50- 27 38½	1 49 21 51 52 6 32 14+ 7 28 18+	52 8- 25 0+ 28 58	43+ 27 35 38-	☉ 1st L. ☉ 2d L. <i>Syrus.</i> <i>Procyon.</i> <i>Pollux.</i>
♀ 21.	51 52-	52 27+	1 53 3 55 14+	55 50	56 25½	☉ 1st L. ☉ 2d L.
♂ 22.	9 3+ 19 3	10 9 38½ 19 38	1 56 45+ 58 56½: 13 10 14 20 13+		7+ 11 24½ 23½	☉ 1st L. ☉ 2d L. <i>Spica.</i> <i>Mars's Center.</i> 11 ^h 18' 51", 2 mean time.
♀ 23.	59 17 9 1+ 17 36	59 52+ 9 36	2 0 28 2 39+ 13 10 12 18 46	3 15	3 51- 11 22½ 19 56+	☉ 1st L. ☉ 2d L. <i>Spica.</i> <i>Mars's Center.</i> 11 ^h 13' 30", 1 mean time.
☉ 25.	43 32½ 57 45+	7 19- 39 7½ 40+ 29 32 15 20+	2 7 54+ 10 6 5 39 42½ 7 24 15+ 28 9- 13 10 7½ 15 55+	10 42- 40 18 24 50+ 48+ 43	11 18- 40 53 18 5+	☉ 1st L. ☉ 2d L. <i>α Orionis.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Spica.</i> <i>Mars's Center.</i> 11 ^h 2' 52" mean time.
☽ 26.	55 22+	30+ 58-	13 10 6- 14 32½		11 16+	<i>Spica.</i> <i>Mars's Center.</i> 10 ^h 57' 35", 7 mean time.
♂ 27.	At 11 ^h Mane I put this Clock forward 2' 29", and shortened the Pendulum by three Divisions on the Bob. Examined the Meridian Mark and Level, and found them right.					
	16 59+	17 35	2 18 11+ 20 23+	20 59+	21 35	☉ 1st L. } Hazy. ☉ 2d L. }
♀ 28.		35+	2	24 47+		☉ 2d L. Naked eye.
♂ 29.			7 24 55			☽ 1st L. faint. 4 ^h 54' 31", 3 mean time.
☉ MAY 2.			2 37 15½ 39 28+	40 4+	40 40+ 29 16	☉ 1st L. ☉ 2d L. ☽ 1st L.
♂ 6.	33 42+ 55 42+ 3 52+	54 15 34 18+ 56 19- 4 29+	2 52 39-: 54 51+: 6 34 55 13 56 55+ 14 5 7-	53 15- 35 31+	36 8- 58 8+ 21	☉ 1st L. } Very cloudy and windy. ☉ 2d L. } <i>Syrus.</i> Very windy. ☽ 1st L. 10 ^h 57' 56" mean time. <i>Arcturus.</i>
♀ 7.	55 17	55 53	2 56 30-			☉ 1st L.

In MAY MDCCCLXII.

DAY of the MONTH	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
7.	33 42½ 54 46 11 48 52+ 36 51 48 22 34 3 17	34 19- 55 21+ 11+ 12 23 4 29+ 37 27 48 59+ 38 52	2 58 44- 6 34 55 9 55 57+ 13 4 46+ 12 59 5 7 38 3 49 37 51 53+ 19 39 47+	59 20+ 35 32- 56 33 13 35- 5 44 52 31 35 49+ 40 3	59 56+ 36 8- 57 9 21 53 8+ 36 25 40 38	☉ 2d L. Syrius. Regulus. Mars's Center. 10 ^h 1' 43",4 mean time. Spica. Arcturus. α Libræ. ☽ 1st L. } Center. 11 ^h 47' 25",3 mean time. ☽ 2d L. } γ } Aquilæ. α }
8.	59 9+	59 45½	3 0 23- 2 36-	3 12½	3 49-	☉ 1st L. ☉ 2d L.
9.	2	3 38+	3 4 15 6 29+	6-	42+	☉ 1st L. ☉ 2d L.
10.	46-	7 32 55 21+	3 8 9 10 22+ 9 55 57+	10 59+ 56 33+	36+ 57 9	☉ 1st L. ☉ 2d L. Regulus.
12.	33 25+ 38 17 31 59	38 52+ 32 48-	19 34 46+ 39 27+ 20 33 36½	49 3+ 34 26+	36 6½ 40 38 35 14	☽ 2d L. very hazy. 16 ^h 10' 59",3 mean time. α Aquilæ. α Cygni.
13.	18 39 38 17	19 15+ 38 48 28 6 32 48	3 19 53- 22 7+ 19 39 27 20 33 36+	44+ 40 3+ 34 26	20+ 40 38 35 14	☉ 1st L. ☉ 2d L. α Aquilæ. ☽ 2d L. α Cygni.
15.		27 9	3 27 46-: 30 1-:		31 14+	☉ 1st L. Naked eye. ☉ 2d L.
16.	29½	31 6+	3 31 43½ 33 59	34 35+	12-	☉ 1st L. ☉ 2d L.
19.		43 1+	3 43 39 45 53½	46 31	18+	☉ 1st L. ☉ 2d L.
23.			4 1 56	2 33+	3 10+	☉ 2d L.
25.		7 7+	4 7 44+ 10 1	10 38+		☉ 1st L. ☉ 2d L.
26.	54 48	11 11 55 27 55 23 12 29	4 11 48 14 4+ 9 56 3 12 55 58 13 13 5	42- 56 39 13 40+	19½ 57 8 15½	☉ 1st L. ☉ 2d L. Regulus. Mars's Center. 8 ^h 38' 8",1 mean time. Spica.
28.	18 41+ 11 5 56+	19 19 11 43 55 31 31	4 19 56+ 22 13+ 12 22- 12 56 6 13 13 7-	22 51- 13 42	28+	☉ 1st L. ☉ 2d L. ☽ 1st L. 23 ^h 44' 8" mean time. Mars's Center. 8 ^h 30' 22",3 mean time. Spica.
29.	22 46+	23 24	4 24 1+ 26 18+	26 56-	27 33+	☉ 1st L. ☉ 2d L.
30.	26 52 5 4	27 29 5 40+	4 28 7 30 24 9 56 7 11 6 17- 16 15 19+	31 2 31 39 7 29	31 39 7 29	☉ 1st L. ☉ 2d L. Regulus. ☽ 1st L. 6 ^h 32' 57",3 mean time. Antares.
31.	30 57	31 35- 57 42+	4 32 12+ 34 29+ 11 58 18	35 7+ 35 45-	35 45-	☉ 1st L. ☉ 2d L. ☽ 1st L. 7 ^h 20' 53" mean time.
JUNE 1.	At 11 ^h Mane I wound up the Clocks.—All three exactly together.—And at the same time I likewise examined the Meridian and Spirit Level, and found them pretty exact.					
	35 3+ 47 33+ 55 46+ 11 59+	35 40 48 9 56 21½ 12 34+	4 36 18+ 9 56 8+ 12 48 45 56 57- 13 13 10-	39 13: 39 51 49 56 58 7- 14 21-	39 51 49 56 58 7- 14 21-	☉ 1st L. ☉ 2d L. Regulus. ☽ 1st L. 8 ^h 7' 15",7 mean time. Mars's Center. 8 ^h 15' 26",1 mean time. Spica.
3.			4 46 48½	45 9-	47 4	☉ 1st L. ☉ 2d L.
4.	47 23-	48 0½	4 48 38 50 55+	51 33	52 11	☉ 1st L. } Naked eye and uncertain. ☉ 2d L. }
5.	51 30	52 7+	4 52 45 55 3+ 9 56 10½	55 41	56 18+	☉ 1st L. ☉ 2d L. Regulus.

In JUNE MDCC LXII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
7.		58 56+	4 12 59 32- 13 13 13+		4 34	☉ 2d L. Mars's Center. 7 ^h 54' 22", 1 mean time. Spica.
8.	3 53- 58 55½ 12 3	4 30½ 59 31 12 38+	5 5 8+ 7 26+ 13 0 6 13 14-	8 4+	8 42 1 16+ 14 24	☉ 1st L. ☉ 2d L. Mars's Center. 7 ^h 51' 0", 3 mean time. Spica. 94 Virginis. Arcturus. τ Sagittarii. Hazy. ☉ 2d L. 14 ^h 2' 14", 6 mean time. γ } α } Aquilæ. β }
13.		31 44+ 35 59+	5 25 53 28 11+ 17 32 20 36 34+ 18 29 29+	28 49+ 32 55 9 30 14+	29 27 33 30- 37 44 30 58½	☉ 1st L. ☉ 2d L. β } Ophiuchi. γ } α Lyrae.
14.	5 8-		0 6 18+	6 54+	7 30-	☉ 1st L. 18 ^h 31' 43", 5 mean time.
15.	4 5½ 4 12+	4 40½ 12 42½ 4 40-	5 34 12½: 36 31 13 5 16- 13 18+ 14 5 26	37 9: 6 4-	6 26	☉ 1st L. ☉ 2d L. Mars's Center. 7 ^h 28' 32", 6 mean time. Spica. Arcturus.
16.	37 7	37 45	5 38 23½ 40 41 14 5 27	2 41 19	39 39½ 57 6 41	☉ 1st L. ☉ 2d L. Arcturus.
17.	31 14+ 28	31 49 36 3	17 32 24- 36 38-	32 59 37 12½	33 34 47+	β } Ophiuchi. γ }
18.	45 28	46 6+	5 46 45- 49 2½ 13 13 22	49 41+ 13 57	50 19 14 32	☉ 1st L. ☉ 2d L. Spica.
19.	49 39 4 17	50 17 4 54	5 50 55 53 14- 14 5 31+	53 52- 6 8+	54 30- 6 45+	☉ 1st L. ☉ 2d L. Arcturus.
20.	53 50-	54 28	5 55 6+ 57 24+::	58 3		☉ 1st L. ☉ 2d L. Naked eye.
23.	6 23 12 15+ 4 21½	7 1- 12 50½ 4 58½	6 7 38+ 9 57+ 13 13 26- 14 5 36-	10 45+ 6 13	11 13 14 36 6 50	☉ 1st L. Hazy. ☉ 2d L. Mars's Center. 7 ^h 4' 59", 6 mean time. Arcturus.
24.	12 52		6 11 49½: 14 7½	14 46	13 6	☉ 1st L. } Naked eye and uncertain. ☉ 2d L. }
29.	31 27+ 22 50- 1 41 31	32 5+ 20 22+ 23 26- 5 8+ 2 15½ 15 10-	6 32 43+ 35 1+ 13 20 58 24 2- 14 5 23*- 16 2 51- 15 48+ 18 29 51-	35 39+ 6 23- 3 26+ 16 27+ 30 35	36 17+ 25 14- 4 0- 17 6 20	☉ 1st L. ☉ 2d L. Mars's Center. 6 ^h 48' 50", 6 mean time. ☉ 1st L. 6 ^h 51' 53", 8 mean time. Arcturus. δ Ophiuchi. Antares. α Lyrae.
30.	35 37 22 58 33-	36 15 23 35+ 5 10- 13 53:: 11+	6 36 53 39 11½ 8 24 13 14 5 47 16 15 50 18 29 52	39 49½ 6 24+ 15 7: 29	40 27+ 25 28 7 1+ 15 43: 8- 31 22-	☉ 1st L. ☉ 2d L. Venus's Center. 1 ^h 48' 56", 6 mean time. Arcturus. ☉ 1st L. Very cloudy. Antares. α Lyrae.
JULY 2.	43 57+ 58 41 14 37- 34 49 39 3- 43 30	44 35 59 20 35 24½ 39 38+ 44 5½	6 13 25 10 15 59 59 16 15 54 19 36 0 40 13+ 44 41-	48 9½ 16 33 36 35+ 40 49 45 16	48 47+ 1 17 17 12- 37 11+ 41 24- 51½	☉ 1st L. ☉ 2d L. Mars's Center. 6 ^h 41' 8", 2 mean time. ☉ 1st L. 9 ^h 15' 32", 4 mean time. Antares. γ } α } Aquilæ. β }
3.	12 35 4 38 24 23	13 10 5 15½ 25 2	6 51 41 13 13 45 14 5 52½ 15 25 41+	52 19 14 20 6 30 26 20+	52 57- 14 55 7 7 27 0	☉ 2d L. Spica. Arcturus. α Coronæ Borealis.

In JULY MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
6 3.	14 38+ 34 28: 39 1/2: 54 22 58 31	15 17 35 10 55 2 59 21	16 15 56 35 52 43 50 1/2 55 42 1/2 17 0 11	36 34 1 1	17 13 37 16 57 2 1/2 1 51	<i>Antares.</i> <i>Scorpii.</i> <i>Ophiuchi.</i> D 1st L. 10h 7' 9", 3 mean time. <i>Capella</i> ; below.
7 5.	48 38 39 7 12 24+	59 20 40 58 49 18 1/2 39 42 44 9+	18 59 58- 30 1-: 41 37+ 49 59+ 52 19- 19 36 4 40 17 44 44-	0 36 30 45+ 42 16+ 53 0- 40 53- 45 19+	1 13 42 55 51 21- 53 41- 37 14 1/2 41 27 1/2 45 54+	⊙ 2d L. <i>α Lyræ.</i> <i>σ Sagittarii.</i> D 1st L. } Center. 11h 54' 22", 1 mean time. D 2d L. } <i>γ</i> } <i>α</i> } <i>Aquilæ.</i> <i>β</i>
8 7.	4 40 58 7	5 18 58 43 1/2	13 13 48 31 5 7 5 56 8 13+ 8 59 21-	23+ 8 51+	58 1/2 9 29+ 0 34 1/2	<i>Spica.</i> <i>Mars's Center.</i> 6h 30' 23", 2 mean time. ⊙ 1st L. ⊙ 2d L. <i>Venus's Center.</i> 1h 56' 16" mean time.
9 9.	4 18- 9 24+ 18 41	4 53- 9 59 23 45	22 5 28+ 10 34 19 55 24 20	6 3 1/2 11 9 20 32+ 24 55	6 39 11 44 21 9+ 25 29+	<i>γ</i> } <i>Aquarii.</i> D 2d L. 15h 6' 44", 8 mean time. <i>η Aquarii.</i>
10 10.	17 2 12 51	17 39+ 13 27 1/2	7 18 18- 20 35: 9 14 4+		15 17 1/2	⊙ 1st L. ⊙ 2d L. <i>Venus's Center.</i> 1h 59' 4", 8 mean time.
11 11.	21 8 1/2 14 49+ 35 2+ 39 16- 39 51	21 47 38 29 15 28+ 35 37+ 39 51	7 22 24 24 41 13 39 3+: 16 16 7+ 19 36 12 1/2 40 26+ 41 1+	25 18 1/2 16 46- 36 48 1/2 41 1+ 41 37-	25 56 15 6+ 17 25 37 24- 41 37-	⊙ 1st L. ⊙ 2d L. <i>Spica.</i> <i>Mars's Center.</i> 6h 19' 23", 2 mean time. <i>Antares.</i> <i>γ</i> } <i>Aquilæ.</i> <i>α</i> }
With the six foot Reflector at 19h 53' 17" by this Clock, the first Satellite of Jupiter immersed. Bad air. Apparent Time 12h 27' 37".						
12 12.	25 15 14 52 28 43 5 39 19- 25- 53 2- 32 36	25 53 15 31- 29 27 35 40 39 54 43 26 1/2 45 5+ 53 37+ 4 7 1/2 33 11 22 59	7 26 30+ 28 47+ 16 16 9+ 18 30 12- 19 36 15 1/2 40 29 44 2- 22 45 46+ 54 13 23 4 43 0 33 46 1/2 4 23 35-	29 25 16 48 30 56 1/2 51 41 4+ 44 37 46 27- 54 50- 5 19 7 25 34 22+ 24 11-	30 2 1/2 27 41 37 26 1/2 39 1/2 45 12 7+ 5 55 34 58- 24 47+	⊙ 1st L. ⊙ 2d L. <i>Antares.</i> <i>α Lyræ.</i> <i>γ</i> } <i>Aquilæ.</i> <i>ζ</i> } <i>Fomalhaut.</i> <i>α Pegasi.</i> ↓ } <i>Aquarii.</i> Hazy and faint, 2 ↓ } D 2d L. 17h 8' 21" mean time. <i>Aldebaran.</i>
13 13.	29 21 1/2 12 49- 41 18	30 0 32 16 13 25- 53 1/2 25 18+	7 30 37+ 32 53 1/2 13 14 0- 42 29+ 15 25 57+	31 15 1/2 33 31 35+ 43 5 26 37-	34 9- 15 11 43 40+ 27 16	⊙ 1st L. ⊙ 2d L. <i>Spica.</i> <i>Mars's Center.</i> 6h 14' 52", 2 mean time. <i>α Coronæ Borealis.</i>
14 14.	32 13+ 12 52 4 56 1/2: 24 41 14 57-	32 50- 13 27+ 43 38- 5 33 1/2: 25 20+ 15 35 1/2	7 34 43- 37 0- 33 26+ 13 14 3- 44 13 1/2 14 6 11 15 26 0- 16 16 14 1/2	37 38- 14 38 6 48 26 39 16 53	38 15+ 15 13+ 7 5 27 18+ 17 31 1/2	⊙ 1st L. ⊙ 2d L. <i>Venus's Center.</i> 0h 2' 51", 4 mean time. <i>Spica.</i> <i>Mars's Center.</i> 6h 12' 37", 9 mean time. <i>Arcturus.</i> <i>α Coronæ Borealis.</i> <i>Antares.</i>
15 15.	37 34 22 59 55 44-	38 11 1/2 23 35- 56 20 1/2 23 6+	7 38 49- 41 5+ 2 24 10 1/2 56 58 4 23 43-	41 43- 58 12+ 24 19	42 20+ 58 12+ 24 55	⊙ 1st L. ⊙ 2d L. <i>Jupiter's Center.</i> 18h 46' 31", 3 mean time. D 2d L. 19h 19' 13", 4 mean time. <i>Aldebaran.</i>
16 16.	41 39+ 2+	42 17- 15 41	7 42 54+ 45 11- 16 16 20	45 48+ 16 59+	46 25 1/2 37-	⊙ 1st L. ⊙ 2d L. <i>Antares.</i>

In JUNE MDCC LXII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
7.		58 56+	4 12 59 32- 13 13 13+		4 34	☉ 2d L. Mars's Center. 7 ^h 54' 22", 1 mean time. Spica.
8.	3 53- 58 55½ 12 3 4 7+ 51 19 11 0+ 34 19- 38 32½ 43 0½	4 30½ 59 31 12 38+ 4 44+ 34 54+ 39 8+ 43 35½	5 5 8+ 7 26+ 13 0 6 13 14- 14 5 22+ 18 19 12 21+ 35 30 39 43 44 10½	8 4+ 54 51+ 5 59+ 53 17: 13 2- 36 5+ 40 19 44 46-	8 42 1 16+ 14 24 6 36 13 42 36 40½ 40 53½ 20½	☉ 1st L. ☉ 2d L. Mars's Center. 7 ^h 51' 0", 3 mean time. Spica. 94 Virginis. Arcturus. τ Sagittarii. Hazy. ☉ 2d L. 14 ^h 2' 14", 6 mean time. γ } α } Aquilæ. β }
13.		31 44+ 35 59+	5 25 53 28 11+ 17 32 20 36 34+ 18 29 29+ 30 14+ 30 58½	28 49+ 32 55 9 30 14+ 30 58½	29 27 33 30- 37 44 30 58½	☉ 1st L. ☉ 2d L. β } Opbiuchi. γ } α Lyrae.
14.	5 8-		0 6 18+	6 54+	7 30-	☉ 1st L. 18 ^h 31' 43", 5 mean time.
15.	4 5½ 12 42½ 4 12+	4 40½ 12 42½ 4 40-	5 34 12½: 36 31 13 5 16- 13 18+ 14 5 26	37 9: 6 4-	6 26	☉ 1st L. ☉ 2d L. Mars's Center. 7 ^h 28' 32", 6 mean time. Spica. Arcturus.
16.	37 7	37 45	5 38 23½ 40 41 14 5 27	41 19	39 39½ 57 6 41	☉ 1st L. ☉ 2d L. Arcturus.
17.	31 14+ 28	31 49 36 3	17 32 24- 36 38-	32 59 37 12½	33 34 47+	β } Opbiuchi. γ }
18.	45 28	46 6+	5 46 45- 49 2½ 13 13 22	49 41+ 13 57	50 19 14 32	☉ 1st L. ☉ 2d L. Spica.
19.	49 39 4 17	50 17 4 54	5 50 55 53 14- 14 5 31+	53 52- 6 8+	54 30- 6 45+	☉ 1st L. ☉ 2d L. Arcturus.
20.	53 50-	54 28	5 55 6+ 57 24+::	58 3		☉ 1st L. ☉ 2d L. Naked eye.
23.	6 23 12 15+ 4 21½	7 1- 12 50½ 4 58½	6 7 38+ 9 57+ 13 13 26- 14 5 36-	10 45+ 6 13	11 13 14 36 6 50	☉ 1st L. Hazy. ☉ 2d L. Mars's Center. 7 ^h 4' 59", 6 mean time. Arcturus.
24.	12 52		6 11 49½: 14 7½	14 46	13 6	☉ 1st L. } Naked eye and uncertain. ☉ 2d L. }
29.	31 27+ 22 50- 1 41 31	32 5+ 20 22+ 23 26- 5 8+ 2 15½ 15 10-	6 32 43+ 35 1+ 13 20 58 24 2- 14 5 23*- 16 2 51- 15 48+ 18 29 51-	35 39+ 6 23- 3 26+ 16 27+ 30 35	36 17+ 25 14- 4 0- 17 6 20	☉ 1st L. ☉ 2d L. Mars's Center. 6 ^h 48' 50", 6 mean time. ☉ 1st L. 6 ^h 51' 53", 8 mean time. *45 Arcturus. δ Opbiuchi. Antares. α Lyrae.
30.	35 37 22 58 33-	36 15 23 35+ 5 10- 13 53: 11+	6 36 53 39 11½ 8 24 13 14 5 47 16 15 50 18 29 52	39 49½ 6 24+ 15 7: 29	40 27+ 25 28 7 1+ 15 43: 8- 31 22-	☉ 1st L. ☉ 2d L. Venus's Center. 1 ^h 48' 56", 6 mean time. Arcturus. ☉ 1st L. Very cloudy. Antares. α Lyrae.
JULY 2.	43 57+ 58 41 14 37- 34 49 39 3- 43 30	44 35 59 20 35 24½ 39 38+ 44 5½	6 13 25 10 15 59 59 16 15 54 19 36 0 40 13+ 44 41-	48 9½ 16 33 36 35+ 40 49 45 16	48 47+ 1 17 17 12- 37 11+ 41 24- 51½	☉ 1st L. ☉ 2d L. Mars's Center. 6 ^h 41' 8", 2 mean time. ☉ 1st L. 9 ^h 15' 32", 4 mean time. Antares. γ } α } Aquilæ. β }
3.	12 35 4 38 24 23	13 10 5 15½ 25 2	6 51 41 13 13 45 14 5 52½ 15 25 41+	52 19 14 20 6 30 26 20+	52 57- 14 55 7 7 27 0	☉ 2d L. Spica. Arcturus. α Coronæ Borealis.

In JULY MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.	14 38+ 34 28: 39½: 54 22 58 31	15 17 35 10 55 2 59 21	16 15 56 35 52 43 50½ 55 42½ 17 0 11	36 34 1 1	17 13 37 16 57 2½ 1 51	<i>Antares.</i> <i>Scorpii.</i> <i>Ophiuchi.</i> D 1st L. 10 ^h 7' 9", 3 mean time. <i>Capella</i> ; below.
5.	48 38 39 7 12 24+	59 20 40 58 49 18½ 39 42 44 0+	6 59 58- 18 30 1-: 41 37+ 49 59+ 52 19- 19 36 4 40 17 44 44-	0 36 30 45+ 42 16+ 53 0- 40 53- 45 19+	1 13 42 55 51 21- 53 41- 37 14½ 41 27½ 45 54+	⊙ 2d L. <i>α Lyræ.</i> <i>σ Sagittarii.</i> D 1st L. } Center. 11 ^h 54' 22", 1 mean time. D 2d L. } <i>γ</i> } <i>α</i> } <i>Aquilæ.</i> <i>β</i>
7.	4 40 58 7	5 18 58 43½	13 13 48 31 5	23+	58½	<i>Spica.</i> <i>Mars's Center.</i> 6 ^h 30' 23", 2 mean time.
9.	4 18- 9 24+ 18 41	4 53- 9 59 23 45	7 5 56 8 13+ 8 59 21- 22 5 28+ 10 34 19 55 24 20	8 51+ 6 3½ 11 9 20 32+ 24 55	9 29+ 0 34½ 6 39 11 44 21 9+ 25 29+	⊙ 1st L. ⊙ 2d L. <i>Venus's Center.</i> 1 ^h 56' 16" mean time. <i>γ</i> } <i>Aquarii.</i> D 2d L. 15 ^h 6' 44", 8 mean time. <i>η Aquarii.</i>
10.	17 2 12 51	17 39+ 13 27½	7 18 18- 20 35: 9 14 4+		15 17½	⊙ 1st L. ⊙ 2d L. <i>Venus's Center.</i> 1 ^h 59' 4", 8 mean time.
11.	21 8½ 14 49+ 35 2+ 39 16- 32 58 48 33	21 47 38 29 15 28+ 35 37+ 39 51 33 47+	7 22 24 24 41 13 39 3+: 16 16 7+ 19 36 12½ 40 26+ 20 34 36+ 23 49 44+	25 18½ 16 46- 36 48½ 41 1+ 35 25 50 20+	25 56 15 6+ 17 25 37 24- 41 37- 36 13½ 50 56	⊙ 1st L. ⊙ 2d L. <i>Spica.</i> <i>Mars's Center.</i> 6 ^h 19' 23", 2 mean time. <i>Antares.</i> <i>γ</i> } <i>Aquilæ.</i> <i>α</i> } With the fix foot Reflector at 19 ^h 53' 17" by this Clock, the first Satellite of Jupiter immersed. Bad air. Apparent Time 12 ^h 27' 37". <i>α Cygni.</i> D 2d L. 16 ^h 28' 24", 2 mean time.
12.	25 15 14 52 28 43 5 39 19- 25- 53 2- 32 36	25 53 15 31- 29 27 35 40 39 54 43 26½ 45 5+ 53 37+ 4 7½ 33 11 22 59	7 26 30+ 28 47+ 16 16 9+ 18 30 12- 19 36 15½ 40 29 44 2- 22 45 46+ 54 13 23 4 43 0 33 46½ 4 23 35-	29 25 16 48 30 56½ 51 41 4+ 44 37 46 27- 54 50- 5 19 7 25 24 22+ 24 11-	30 2½ 27 41 37 26½ 39½ 45 12 7+ 5 55 34 58- 24 47+	⊙ 1st L. ⊙ 2d L. <i>Antares.</i> <i>α Lyræ.</i> <i>γ</i> } <i>Aquilæ.</i> <i>ξ</i> } <i>Fomalhaut.</i> <i>α Pegasi.</i> ↓ { <i>Aquarii.</i> Hazy and faint, 2 ↓ D 2d L. 17 ^h 8' 21" mean time. <i>Aldebaran.</i>
13.	29 21½ 12 49- 41 18	30 0 32 16 13 25- 53½ 25 18+	7 30 37+ 32 53½ 13 14 0- 42 29+ 15 25 57+	31 15½ 33 31 35+ 43 5 26 37-	34 9- 15 11 43 40+ 27 16	⊙ 1st L. ⊙ 2d L. <i>Spica.</i> <i>Mars's Center.</i> 6 ^h 14' 52", 2 mean time. <i>α Coronæ Borealis.</i>
14.	32 13+ 12 52 4 56½: 24 41 14 57-	32 50- 13 27+ 43 38- 5 33½: 25 20+ 15 35½	7 34 43- 37 0- 33 26+ 13 14 3- 44 13½ 14 6 11 15 26 0- 16 16 14½	37 38- 14 38 6 48 26 39 16 53	38 15+ 15 13+ 7 5 27 18+ 17 31½	⊙ 1st L. ⊙ 2d L. <i>Venus's Center.</i> 0 ^h 2' 51", 4 mean time. <i>Spica.</i> <i>Mars's Center.</i> 6 ^h 12' 37", 9 mean time. <i>Arcturus.</i> <i>α Coronæ Borealis.</i> <i>Antares.</i>
15.	37 34 22 59 55 44-	38 11½ 23 35- 56 20½ 23 6+	7 38 49- 41 5+ 2 24 10½ 56 58 4 23 42-	41 43- 24 19	42 20+ 58 12+ 24 55	⊙ 1st L. ⊙ 2d L. <i>Jupiter's Center.</i> 18 ^h 46' 31", 3 mean time. D 2d L. 19 ^h 19' 13", 4 mean time. <i>Aldebaran.</i>
16.	41 39+ 2+	42 17- 15 41	7 42 54+ 45 11- 16 16 20	45 48+ 16 59+	46 25½ 37-	⊙ 1st L. ⊙ 2d L. <i>Antares.</i>

OBSERVED MERIDIONAL DISTANCES

OF THE

FIXED STARS AND PLANETS

FROM THE

ZENITH.

MERIDIONAL DISTANCES

OF THE

SUN, PLANETS,

AND

FIXED STARS,

FROM THE

ZENITH, SOUTHWARD.

In JANUARY MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
8 JAN. 7.	☉ Upper L.	78	7	10	4	73	34	22½				29, 50	41	42
	☉ Lower L.	79	0	14	1	74	6	50½						
	☾ Lower L.	57	13	6	8	54	13	24+	54	13	22½	29, 50	42	42
14 8.	☉ Lower L.	78	14	10	8	73	59	3				29, 59	42	44
	☉ Upper L.	78	5	6	11½	73	26	35+	73	26	35			
16 10.	☾ Lower L.	45	6	13	8-	42	35	20-	42	35	20½	29, 85	46	45
18 13.	☾ Lower L.	37	3	12	4½	34	54	30½	34	54	29	29, 60	43	40
24 15.	☾ Lower L.	35	13	4	5	33	35	25	33	35	25½	29, 70	42	40
8 16.	☉ Upper L.	76	15	5	5	72	8	55				29, 85	40	38
	☉ Lower L.	77	8	9	5	72	41	26+	72	41	25			
	H Geminorum. (Propus.)	30	1	10	0	28	13	13-						
	♄ Orionis.	39	2	4	2	36	41	41½						
	♄ Monocerotis.	66	12	10	5	62	36	58						
	♄ Geminorum.	30	13	8	10½	28	55	8+						
	♄ Orionis.	44	4	8	9	41	30	58+						
	12 } Geminorum.	30	0	0	2	28	7	56½						
	μ } Geminorum.	30	12	8	1	28	51	28-						
	Mars.	25	12	11	9	24	11	0+						
	ν } Geminorum.	33	3	4	3+	31	7	44-				29, 92	39	35
	20 } Geminorum.	35	12	7	4	33	32	32½						
	21 } Geminorum.	35	12	6	1	33	32	16½						
	22 } Geminorum.	34	0	0	12	31	52	42						
	γ } Geminorum.	37	3	6	2	34	53	9						
	25 } Geminorum.	24	9	13	11	23	4	40,8						
	ε } Geminorum.	27	13	13	11	26	7	29½						
	Syrius.	72	5	12	12	67	50	25						
	♀ Canis Majoris.	77	0	3	2	72	11	56,6						
	☾ Lower L.	36	10	2	10½	34	20	46+	34	20	46			
17.	☉ Lower L.	77	5	4	9	72	29	51½				29, 98	39	39
	☉ Upper L.	76	12	0	12	71	57	23+	71	57	23			
	α Lyrae.	13	12	3	4-	12	54	9½						
18.	☉ Upper L.	76	8	10	12	71	45	31+				29, 75	43	44
	☉ Lower L.	77	1	14	11	72	18	1½	72	18	1			
	☾ Lower L.	41	4	5	1	38	41	26-	38	41	25	29, 84	41	39

In FEBRUARY MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
19.	Lower L. <i>α</i> <i>Lyræ.</i>	44	14	4	3	42	5	9	42	5	11	29, 58	40	38
20.	Lower L. Upper L. Lower L.	76	10	12	9	71	52	56½				29, 69	42	43
		76	1	8	12	71	20	28½	72	20	28			
		49	2	7	5	46	4	54+	46	4	55	29, 88	40	39
21.	Lower L. Hazy. Upper L. Lower L.	76	7	1	0	71	39	50-				29, 92	42	46
		75	13	13	7	71	7	25½	71	7	25			
		53	13	6	3	50	28	19+	50	28	37	29, 94	42	41
23.	Lower L.	63	7	6	12½	59	29	53+	59	29	53	29, 95	39	34
25.	Upper L. Lower L.	74	13	14	8	70	28	54½						
		71	9	1	5	67	5	41½	67	5	41	30, 15	40	35
26.	Lower L. Upper L.	75	2	14	3	70	28	54½				30, 20	42	42
		74	9	10	5	69	56	25+	69	56	25			
27.	Upper L. Lower L.	74	5	4	12	69	41	9½				30, 40	42	43
		74	14	8	9	70	13	37½	70	13	37			
28.	Upper L. Lower L.	74	0	14	2	69	25	36½				30, 52	42	43
		74	10	1	9	69	58	1½	69	58	0			
FEB. 1. I wound up the Clock, and put it back two minutes.														
5.	Lower L. Upper L. Lower L.	72	3	8	0	67	42	18+				29, 99	41	42
		71	10	4	6-	67	9	53-						
		51	3	10	1	48	1	30½	48	1	30	30, 04	42	42
6.	<i>γ</i> <i>Draconis.</i> N. <i>α</i> <i>Lyræ.</i>	0	0	13	4-	0	2	55						
		13	12	3	10½	12	54	29½						
7.	Lower L. Upper L. <i>3</i> <i> Arietis.</i> Lower L. <i>8</i> <i> Arietis.</i> <i>3</i> <i> Arietis.</i> <i>α</i> <i> Persei.</i> <i>34</i> <i> Persei.</i> <i>ξ</i> <i> Tauri.</i> <i>ψ</i> <i> Persei.</i> <i>δ</i> <i> Persei.</i> <i>g</i> <i> Persei.</i> <i>h</i> <i> Persei.</i> <i>i</i> <i> Persei.</i> <i>λ</i> <i> Persei.</i> <i>c</i> <i> Persei.</i> <i>μ</i> <i> Persei.</i> <i>2</i> <i>ω</i> <i> Tauri.</i> <i>53</i> <i> Tauri.</i> <i>1</i> <i> Camelopardali.</i> <i>2</i> <i> Camelopardali.</i> <i>Aldebaran.</i> <i>τ</i> <i> Tauri.</i> <i>3</i> <i> Orionis.</i> <i>10</i> <i> Orionis.</i> <i>1</i> <i> Orionis.</i> <i>ω</i> <i> Aurigæ.</i> <i>ζ</i> <i> Aurigæ.</i> <i>9</i> <i> Aurigæ.</i> <i>n</i> <i> Orionis.</i> <i>i</i> <i> Orionis.</i> <i>Capella.</i> <i>Rigel.</i> <i>δ</i> <i> Orionis.</i> <i>α</i> <i> Leporis.</i> <i>1</i> <i> Orionis.</i> <i>σ</i> <i> Orionis.</i> <i>2</i> <i> Orionis.</i>	71	9	0	4½	67	5	28-				30, 22	43	45
		70	15	12	9	66	33	1+	66	33	0			
		36	11	11	0	34	26	5+						
		43	8	12	6-	40	49	31,2	40	49	35			
		34	13	12	9	32	40	59,4						
		33	6	15	10½	31	20	49						
		2	10	12	3	2	30	20,6						
		3	0	6	1½	2	50	5,6						
		45	7	0	12½	42	36	4,1						
		4	6	4	7	4	7	5,4						
		4	12	10	8	4	29	31,1						
		29	13	5	3	27	58	6,1						
		30	0	5	7	28	8	42,9						
		29	10	4	7	27	47	24,1						
		29	11	14	10	27	53	10						
		30	3	0	9	28	18	11,8						
		30	0	4	3	28	8	25,7						
		30	1	0	1	28	11	2						
		29	15	9	3	28	6	0,7						
		13	0	1	11	12	11	39,2						
		1	14	15	4	1	48	50						
		4	11	12	11	4	26	29,5						
		3	15	6	0½	3	42	48,7						
		33	9	13	6	31	30	50,8						
		33	0	0	11	30	56	26						
		1	15	14	4½	1	52	8,1						
		1	9	5	4½	1	29	3,9						
		37	13	6	6-	35	28	22,3						
		30	15	0	7	29	0	21,1						
		49	6	2	2	46	17	49						
		40	2	8	1	37	38	48,3						
		19	15	7	11-	18	43	12,3						
		14	14	9	7	13	58	48,8						
		11	8	0	12	10	47	4,5						
		0	4	0	6	0	14	9,8						
		11	4	14	5	10	35	58,3						
		46	3	1	11	43	18	27						
		6	2	4	1½	5	45	26,1						
		63	15	4	6½	59	57	28+						
		55	6	13	3	51	57	45						
		74	1	5	11	69	27	18						
		61	6	2	2	57	32	49						
		57	13	6	1½	54	13	17,8						
		57	1	15	7	53	33	10,7						
Quadrant wanted raising -2" or 1½.														
		47	1	1	8	44	7	37						
		37	10	9	5	35	18	28						

In FEBRUARY MDCCCLVI.														
DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.				
7.	n } 9 } μ } <i>Geminorum.</i> 14 } 15 } v } γ } 25 } 15 } <i>Monocerotis.</i> ε } <i>Geminorum.</i> <i>Syrus.</i>	30	13	8	11—	28	55	8½						
		29	8	4	10½	27	40	25,7						
		29	10	7	1	27	47	57,7						
		29	12	11	3	27	55	54,3						
		30	12	8	1	28	51	28—						
		31	11	2	4—	29	42	55,7						
		32	9	8	0	30	33	24						
		33	3	4	4½	31	7	45						
		37	3	6	4½	34	53	11½						
		24	9	13	9	23	4	38,8						
		44	2	0	3	41	22	4,9						
		27	13	13	12	26	7	30			30, 05	42	40	
		72	5	13	3½	67	50	29½						
8.	⊙ Upper L. 12 <i>Tauri.</i> g } b } <i>Pleiadum.</i> c } <i>Qu.</i> k } p } d Lower L. λ } 36 } A } 41 } ι ω } p } 45 } 46 } <i>Tauri.</i> 2 ω } γ } 60 } 63 } 70 } 71 } 76 } 44 <i>Eridani.</i> <i>Aldebaran.</i> ι c } 2 c } <i>Tauri.</i> τ } μ <i>Eridani.</i> ι } ι π } <i>Orionis.</i> 3 } 5 } τ } ξ } <i>Aurigæ.</i> η } ι γ <i>Orionis.</i> m <i>Tauri.</i> 12 <i>Orionis.</i> <i>Capella.</i> 16 <i>Aurigæ.</i> <i>Rigel.</i> τ <i>Orionis.</i> β <i>Tauri.</i> γ } <i>Orionis.</i> δ } α <i>Leporis.</i> 2 φ } ω } <i>Orionis.</i> ξ } 52 } 136 <i>Tauri.</i> α <i>Orionis.</i> 141 <i>Tauri.</i> H } <i>Geminorum.</i> 2 } 3 } <i>Mars.</i>	70	10	7	3½	66	14	15+	66	14	15	29, 93	44	45½
		52	7	15	7	49	13	1+						
		29	13	5	4	27	58	7						
		30	0	5	7	28	8	43						
		29	11	14	8	27	53	8						
		29	8	11	7	27	41	54½						
		30	0	4	3½	28	8	26+						
		40	7	14	8	37	57	49	37	57	48			
		42	5	4	12½	39	41	10			29, 95	44	42	
		29	14	13	8	28	3	27,5						
		32	1	4	12	30	4	35,7						
		26	3	0	5	24	33	7,8						
		54	11	1	12	51	16	35,5						
		27	5	12	2	25	38	59,9						
		49	11	4	9	46	35	57						
		47	5	10	3	44	23	34,5						
		33	9	13	7	31	30	51,8						
		38	14	1	9	36	27	5,3						
		40	8	5	5½	37	59	18,9						
		37	10	2	7	35	16	57,7						
		38	8	3	7	36	6	24,1						
		38	13	10	9	36	25	33						
		39	12	7	1½	37	17	30						
		54	0	4	9	50	38	31,7						
		37	13	6	5	35	28	21,3						
		42	1	9	5	39	28	4,6						
		42	6	12	1	39	46	14,8						
		30	15	0	5½	29	0	19,6						
		58	13	11	11	55	10	48,2						
		47	15	2	9	44	57	4,4						
		45	13	15	5	43	0	9,9						
		49	6	2	4	46	17	51						
		52	10	11	9	49	22	43,4						
		52	11	13	1	49	26	32,7						
		11	8	0	11	10	47	3,5						
		11	4	14	4	10	35	57,3						
		38	13	11	4	36	25	41,2						
		35	6	3	5	33	10	35,2						
		45	2	2	9½	42	18	52,7						
		6	2	4	2	5	45	26,6						
		19	9	12	0	18	23	1,6						
		63	15	4	7	59	57	29—						
		62	7	13	3	58	35	0,9						
		24	10	3	1—	23	5	50—						
		48	6	1	11	45	21	30—						
		55	6	13	1	51	57	43						
		74	1	5	9	69	27	16						
		45	2	7	1½	42	19	50,7						
		50	10	11	10	47	30	14,4						
		57	1	15	5	53	33	9—						
		48	2	0	8	45	7	9,9						
		25	8	10	4	23	56	38,3						
		47	1	1	7	44	7	36						
		31	0	11	1	29	6	11						
		30	1	10	1—	30	12	13						
		29	11	0	12	27	50	7,3						
		30	3	11	9	28	20	36,8						
		26	2	8	10	24	31	27,3						

In FEBRUARY MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and xed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.	
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		
8.	η μ 14 15 ν 6 m γ ϵ 16 <i>Monocerotis.</i> <i>Syrus.</i>	30 30 31 32 33 55 37 27 45 72	13 12 11 9 3 5 3 13 7 5	8 8 2 8 4 11 6 13 12 13	10 2— 6 1 3½ 12 3½ 11½ 5 5	28 28 29 30 31 51 34 26 42 67	55 51 42 33 7 53 53 7 38 50	8— 28½ 57,3 24,9 44 56,7 10½ 29½ 34,8 31			29, 94 29, 93	43 43—	40— 39
10.	Lower L. Upper L. <i>Capella.</i> μ <i>Leporis.</i> σ <i>Aurigæ.</i> β <i>Tauri.</i> $\downarrow$ <i>Orionis.</i> Lower L. σ ξ <i>Orionis.</i> δ 129 <i>Tauri.</i> 52 1 χ <i>Orionis.</i> α H <i>Geminorum.</i> (<i>Propus.</i>) ν ξ η μ ν 10 <i>Monocerotis.</i> γ ϵ <i>Syrus.</i> γ <i>Draconis.</i> α <i>Lyrae.</i> α <i>Aquilæ.</i> α <i>Cygni.</i>	70 69 6 72 15 24 28 36 57 57 53 38 48 33 47 30 39 39 30 30 33 59 37 27 72 0 13 46 8	8 15 2 7 4 10 5 8 13 1 7 2 2 5 1 1 13 3 2 13 13 5 0 12 1 0 12 1 0	12 9 4 12 13 3 0 15 6 15 8 2 0 9 2 1 10 4 5 8 10 8 4 5 6 13 13 13 1 3 9 7 0	8 1 1 7 4 2 6½ 9 2 8½ 1½ 11½ 1½ 1 								

In FEBRUARY MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divis. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
16.	μ Eridani.	58	13	11	12	55	10	49,2						
	I } Orionis.	47	15	2	8½	44	57	3,9						
	1 π } Orionis.	45	13	15	6	43	0	20,9						
	10 } Orionis.	40	2	7	11-	37	38	45						
	2 π } Orionis.	44	8	1	11	41	43	31,7						
	ζ } Aurigæ.	11	8	0	10	10	47	2,5						
	η } Aurigæ.	11	4	12	3	10	35	30						
	m Tauri.	35	6	3	3	33	10	33,2						
	h Eridani.	60	10	11	11	56	52	45,4						
	Capella.	6	2	3	11	5	45	22,4						
	β Tauri.	24	10	3	0½	23	5	49½						
	γ Orionis.	48	6	1	11	45	21	30-						
	118 Tauri.	28	5	0	6	26	32	40,7						
	A } Orionis.	48	12	5	11	45	43	29+						
	δ } Orionis.	55	6	13	1	51	57	43						
	38 } Orionis.	51	1	3	12	47	53	7,5						
	ζ Tauri.	32	8	8	12	30	30	5						
	ϵ } Orionis.	56	5	12	9½	52	50	22,4						
	ω } Orionis.	50	10	11	9½	47	30	13,9						
	ζ } Orionis.	57	1	15	6	53	33	10-						
	b } Orionis.	53	7	8	3	50	7	40						
	132 Tauri.	28	13	0	0	27	00	42,2						
	κ Orionis.	65	4	15	8	61	13	44,5						
	137 Tauri.	39	13	15	11	37	22	55,9						
	β Aurigæ.	7	0	6	0+	6	35	4,1						
	α Orionis.	47	1	1	9	44	7	38						
	141 Tauri.	31	0	10	10	29	6	6,8						
	H Geminorum.	30	1	10	0	28	13	13-						
	3 κ Orionis.	33	7	1	1	31	21	5,7						
	2 } Geminorum.	29	11	1	1	27	50	9,5						
	3 } Geminorum.	30	3	11	10	28	20	38-						
	η } Geminorum.	30	13	8	10	28	55	8-						
	Mars.	26	5	9	7	24	42	10+	24	42	9	29, 70	44	41
	μ Geminorum.	30	12	8	1	28	51	28-						
	8 Monocerotis.	49	14	3	2	46	46	9,7						
	ν Geminorum.	33	3	4	3½	31	7	44						
	D Lower L.	47	7	7	9½	44	30	3+	44	30	4	29, 72	42	39
17.	☉ Lower L.	68	0	8	11	63	46	56½				29, 71	42	43
	☉ Upper L.	67	7	5	8	63	14	35½	63	14	35			
19.	☉ Upper L.	66	11	5	0½	62	32	17-				29, 90	39	
	☉ Lower L.	67	4	8	2-	63	4	36	63	4	35½			
	D Lower L.	61	14	13	11-	58	3	30	58	3	28½	30, 15	36	30
20.	☉ Upper L.	66	5	3	11	62	10	55+				30, 15	39	37
21.	D Lower L.	70	6	15	6½	66	1	59	66	1	58½	30, 33	39	37
22.	☉ Lower L.	66	2	2	3½	62	0	2-				30, 34	44	44
	☉ Upper L.	65	8	14	12	61	27	39	61	27	38			
	Jupiter.	60	14	0	0	57	4	13	57	4	12			
	D Lower L.	73	7	4	12	68	51	56+	68	51	56	30, 18	38	33
23.	☉ Upper L.	65	2	11	4	61	5	46				30, 15	42	43
	☉ Lower L.	65	11	14	9	61	38	9	61	38	7½			
	Venus's Center.	54	11	8	11	51	18	7-						
27.	☉ Upper L.	63	9	6	12	59	36	54½				29, 92	40	42
	☉ Lower L.	64	2	10	0-	50	9	13½	60	9	12½			
28.	☉ Lower L.	63	12	3	0½	59	46	36+				30, 13	41	46
	☉ Upper L.	63	3	2	7	59	14	25-	59	14	22			
MAR. 4.	☉ Upper L.	61	2	7	10	57	19	59+	57	19	58	30, 05	47	51
9.	☉ Lower L.	59	10	8	2-	55	55	41½				30, 27	47	48
	☉ Upper L.	59	1	5	4	55	23	26:	55	23	25½			
	D Lower L.	36	1	7	6	33	50	9+	33	50	9	30, 31	47	45
12.	☉ Upper L.	57	13	4	5	54	12	59				29, 90	45	44
	☉ Lower L.	58	6	6	11	54	45	6-	54	45	5			
	D Upper L.	38	4	0	11½	35	51	45+	35	51	44	30, 04	44	36
13.	η } Geminorum.	30	13	8	9	28	55	7-						
	μ } Geminorum.	30	12	7	12½	28	51	26						
	16 } Geminorum.	32	14	8	8	30	51	6½						
	ν } Geminorum.	33	3	4	2	31	7	42½						
	22 } Geminorum.	34	0	0	11	31	52	41						
	γ } Geminorum.	37	3	6	1	34	53	8						
	Mars.	27	2	3	1	25	26	27½						

In APRIL MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.				
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.			
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.		
h 13.	ε <i>Geminorum</i> . D Upper L.	27	13	13	10	26	7	28½	38	34	34	30, 23	41	31		
D 15.	⊙ Lower L. ⊙ Upper L.	57	2	4	5	53	34	14½	53	2	2	30, 04	40	40		
δ 16.	⊙ Upper L. ⊙ Lower L. D Lower L.	56	2	6	4-	52	38	25-	53	10	32	29, 87	42	43		
z 17.	⊙ Lower L. ⊙ Upper L. <i>Venus's</i> Center.	56	4	13	1½	52	46	56½	51	29	35	29, 55	43	47		
24 18.	⊙ Upper L. ⊙ Lower L.	55	4	15	6-	51	51	12+	52	23	19	29, 20	48	54		
z 19.	α <i>Lyræ</i> .	13	12	4	0+	12	54	19								
h 20.	⊙ Upper L. ⊙ Lower L. D Lower L.	54	7	7	7	51	3	46-	51	35	54	29, 52	41	38		
D 22.	⊙ Lower L. ⊙ Upper L.	55	0	9	9+	51	35	53-	68	6	55	29, 53	40	33		
z 24.	⊙ Lower L. ⊙ Upper L.	54	3	2	10-	50	48	39	50	16	32	29, 02	42	44		
z 24.	o ε γ δ 2 A 52 1 α 1 o 2 o 2 α η h ε 7 11 o ↓ ε 19 20 23 μ ν π η A Regulus.	33	0	5	1	30	57	22								
		33	2	7	3	31	4	52+								
		31	1	6	2½	29	8	37½								
		34	9	9	5	32	26	12								
		41	0	11	8	38	28	48								
		36	14	2	2½	34	34	42								
		41	8	5	3½	38	55	32								
		37	9	3	7	35	13	40								
		37	4	12	10½	34	58	7½								
		41	4	2	8	38	40	53								
		42	7	13	1½	39	49	59½								
		43	6	6	10	40	41	20-								
		41	11	5	4-	39	6	5								
		38	6	10	4	36	0	51½								
		38	6	15	5	36	1	58½								
		43	2	13	1	40	28	39+						29, 67	39	32½
		38	12	4	1½	36	20	35½								
		28	5	12	1	26	35	14								
		41	1	13	12-	38	32	49								
		31	1	12	8	29	10	2								
		39	12	1	12½	37	16	22								
		25	13	3	5½	24	12	42+								
		40	6	5	1½	37	52	13								
		45	1	4	5½	42	15	44+								
		35	12	3	6	33	31	42-								
		42	15	8	2	40	17	1½								
		40	13	15	5+	38	19	5+								
z 26.	η { <i>Leonis</i> . A } Regulus.	35	12	3	5	33	31	41-								
		42	15	8	4	40	17	3½								
		40	13	15	5½	38	19	5½				29, 60	38	32		
21 APRIL 1. I put back the Clock two minutes.																
δ 6.	⊙ Lower L. ⊙ Upper L.	48	0	3	0	45	0	39½								
z 9.	D Upper L.	47	7	1	4	44	28	39-	44	28	40	29, 80	45	45		
h 10.	D Upper L.	39	9	5	9	37	6	38½	37	6	37	29, 75	45	45		
⊙ 11.	⊙ Upper L. ⊙ Lower L. D Upper L.	42	14	10	10-	40	14	5-	40	14	3	29, 45	45	43		
		45	7	7	2	42	37	26-				29, 40	45	48		
		46	0	8	7	43	9	22½	43	9	23					
		47	0	11	6	44	6	16	44	6	13	29, 36	42	38		
D 12.	⊙ Lower L. ⊙ Upper L. D Upper L.	45	10	5	3	42	47	33+				29, 29	45	48		
		44	16	4	1	42	15	40-	42	15	40					
		51	12	10	7	48	33	15	48	33	14	29, 30	43	43		
δ 13.	D Upper L. <i>Jupiter's</i> Center.	56	14	6	4	53	20	36+	53	20	35	29, 35	42	40		
		58	8	1	1	54	50	52	54	50	51					
z 14.	⊙ Upper L. ⊙ Lower L. D Lower L. D Upper L.	44	4	15	4	41	32	25½				29, 39	46	48		
		44	14	0	11	42	4	24	42	4	23					
		62	10	2	9	58	43	15-								
		62	0	13	3	58	10	24½	58	10	23	29, 48	44	42		
z 21.	⊙ Lower L. ⊙ Upper L.	42	4	8	1½	39	38	21				29, 82	46	50		
		41	11	7	2	39	6	29½	39	6	29					
24 22.	⊙ Upper L.	41	5	11	9	38	46	25-				29, 86	47	51		

In MAY MDCC LVI.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.	
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
24	22.	☉ Lower L. ☽ Upper L.	41	12	12	8	39	18	14	39	18	15	29, 74	46	46	
☉	25.	☉ Lower L. ☉ Upper L.	40	13	15	3	38	19	3	37	47	16	29, 65	47	51	
☽	27.	☉ Lower L.	39	10	0	7	37	9	1½				29, 85	47	52	
h	MAY 1.	I put back the Clock three minutes.														
☽	3.	Jupiter.	57	10	5	3	54	2	23+				29, 55	43	36	
☽	5.	☉ Lower L. ☉ Upper L.	37	10	2	12	35	17	3-				29, 88	45	47	
			37	1	2	5	34	45	17+	34	45	16½				
☽	7.	☽ Upper L.	41	2	13	6	38	36	14+	38	36	14-	29, 54	52	5-	
h	8.	☉ Upper L. ☉ Lower L. ☽ Upper L.	36	3	1	4	33	55	50				29, 49	55	62	
			36	12	1	11½	34	27	36	34	27	34				
			44	14	4	7	42	5	13	42	5	14	29, 48	55	56	
☽	10.	☉ Upper L. ☉ Lower L. ☽ Upper L.	35	10	1	11	33	24	18½				29, 60	52	53	
			36	3	1	12	33	55	58	33	55	57				
			54	2	14	9	50	47	45½	50	47	44	29, 75	51	50	
☽	11.	☉ Lower L. ☉ Upper L. ☽ Upper L.	35	14	11	11	33	40	24				30, 12	50	51	
			35	5	11	8	33	8	53							
			59	5	2	6	55	36	52	55	36	50	30, 20	50	50	
☽	12.	☽ Upper L.	64	6	0	8	60	21	13½	60	21	12	30, 18	50	50	
24	13.	☽ Upper L.	68	15	1	2-	64	37	59	64	37	58-	30, 10	50	50	
h	15.	☉ Lower L. ☉ Upper L. Jupiter. ☽ Upper L.	34	14	2	8	32	41	47½				29, 95	54	62	
			34	5	2	3	32	10	34:	32	10	34				
			57	5	0	9½	53	43	59	53	43	57				
			74	15	0	2	70	15	16	70	15	15	29, 95	51	46	
☉	16.	☉ Upper L. ☉ Lower L. Venus's Center. β } Virginis. γ } Jupiter. δ } ε } θ } Spica. } Virginis. ζ } κ } λ } α } γ } ι } β } γ } κ } δ } β } v } ☽ Upper L.	34	1	3	3	31	56	43½					30, 00	53	56
			34	10	3	9	32	28	28	32	28	27				
			27	6	10	8	25	42	10½	25	42	9½				
			51	8	11	9	48	19	26,5							
			54	2	7	5	50	46	9,2				29, 97	53	51	
			55	0	1	5	51	34	3,2							
			57	4	11	6	53	42	49,8	53	42	48				
			49	13	9	8	46	44	3,8							
			41	12	13	7½	39	11	25,1							
			59	6	6	1	55	41	10,7							
			65	6	11	6	61	19	51,6							
			54	3	15	11	50	51	31,6							
			64	9	13	5	60	34	34,8							
			67	14	13	4	63	40	53,5							
			70	14	2	5½	66	27	15							
			80	12	4	12	75	43	16							
			74	15	8	2	70	17	1,5							
			63	14	9	2½	59	54	59,3							
			69	12	2	4	65	23	56½							
			74	15	12	10	70	18	2,3							
			78	3	7	11	73	19	46							
			75	4	0	3	70	32	52-							
			74	14	11	5½	70	14	13½				29, 97	51	44	
			75	12	4	6	71	1	55	71	1	54				
☽	17.	☉ Lower L. ☉ Upper L. ☽ Upper L.	34	6	6	3	32	14	58-				29, 86	52	56	
			33	13	5	12	31	43	15	31	43	15				
			75	1	4	0	70	23	9-	70	23	8				
☽	18.	☉ Upper L. ☉ Lower L.	33	9	10	2	31	30	7+				29, 82	52	53	
			34	2	10	6	32	1	50-	32	1	48				
24	20.	☉ Lower L. ☉ Upper L. ☽ Upper L.	33	11	7	6	31	36	33½				29, 59	56	64	
			33	2	7	2	31	4	51+	31	4	52				
			66	2	11	9	62	2	6	62	2	7	29, 63	50	56	
☽	21.	☉ Upper L. ☉ Lower L. ☽ Upper L.	32	15	0	3	30	52	47				29, 58	58	66	
			33	8	0	6	31	24	28½	31	24	28				
			61	14	12	2	58	3	8+	58	3	6	29, 80	58	56	
h	22.	☉ Upper L. ☉ Lower L.	32	11	10	5	30	40	57				29, 84	60	65	
			33	4	10	7½	31	12	38	31	12	38				
h	29.	☉ Lower L. ☉ Upper L.	32	0	0	6	30	0	6				29, 90	52	56	
			31	7	0	7	29	28	28½	29	28	27				
☉	30.	☉ Upper L. ☉ Lower L.	31	4	8	1	29	19	35+				29, 96	53	59	
			31	13	8	0	29	51	13-							
☽	31.	☉ Upper L. ☉ Lower L.	31	2	1	3	29	11	3				30, 02	56	62	
			31	11	1	5½	29	42	44	29	42	44				

In JUNE MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. 1 eq.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♂ JUNE 1.	☉ Upper L. ☉ Lower L. ☿ Center. Venus's Center.	30 31 35 30	15 8 13 0	12 12 12 2	9 5 0 10	29 29 33 28	3 34 17 8	1+ 36- 5½ 6½	29 29 34 28	34 35 5 5	29, 62	59½	65	
♂ 3.	Venus's Center. ☿ Upper L.	30 39	8 13	0 0	5 3½	28 37	35 19	42½ 31:	28 37	35 40				
♂ 5.	☿ Upper L.	47	3	11	7	44	16	50:	44	16	49			
☉ 6.	☉ Lower L. ☉ Upper L. ☿ Upper L.	30 30 51	14 5 13	14 14 3	0 6 12	28 28 48	59 28 35	48- 15+ 19-	28 28 48	59 28 35	29, 70 13 16½	60 62	64 62	
♂ 8.	☿ Upper L.	61	12	10	9	57	55	47	57	55	45	29, 57	57	57
♂ 10.	☉ Lower L. ☉ Upper L. ☿ Upper L.	30 30 70	8 0 12	15 0 3	11 5 6½	28 28 66	39 7 20	6+ 35 27	28 28 66	39 7 20	35 33 26	29, 35 58 55	58 54	
♂ 16.	☉ Lower L. ☉ Upper L.	30 29	3 10	10 10	5 10	28 27	20 48	19½ 46+	27 27	20 48	45½	29, 63	60	64
♂ 17.	☉ Upper L. ☉ Lower L. ☿ Upper L.	29 30 63	10 3 12	3 2 9	2 7 12	27 28 59	47 18 48	6 36+ 7	28 28 59	47 18 48	6 35 6	29, 65 52 29, 84	60 52	64 52
♀ 18.	☉ Lower L. ☉ Upper L. ☿ Upper L.	30 29 59	2 9 4	12 13 6	10 2 7	28 27 55	17 45 34	20 47- 15	27 27 55	17 45 34	46 14 14	29, 80 54 29, 75	60 54	66 53
♂ 19.	☿ Upper L.	54	11	6	8	51	17	37½	51	17	38	29, 94	56	56
☉ 20.	☿ Upper L.	50	4	11	1	47	9	0-	47	8	59½	30, 10	57	56
♂ 21.	☉ Upper L. ☉ Lower L. ☿ Upper L.	29 30 46	9 2 2	6 6 13	12 8 2	27 28 43	44 15 17	24½ 59+ 25+	28 28 43	16 16 17	0 0 24	30, 10 30, 19	60 59	67 61
♂ 22.	☉ Lower L. ☉ Upper L. ☿ Upper L.	30 29 42	2 9 8	8 8 1	3 8 6	28 27 39	16 44 50	20+ 47 57:	27 27 39	16 44 50	46 46 56	30, 14 29, 95	64 61	72 66
♀ 23.	☉ Upper L. ☉ Lower L.	29 30	9 2	12 11	2 10	27 28	45 17	33½ 7	28 28	45 17	5 5	29, 94	64	71
♂ 24.	☉ Lower L.	30	3	1	4½	28	18	20½	28	18	21	29, 63	66	77
♂ 26.	☉ Lower L. ☉ Upper L.	30 29	4 11	1 1	5½ 12	28 27	21 50	52½ 2½	27 27	21 50	19½	29, 70	63	66
☉ 27.	☉ Upper L. ☉ Lower L.	29 30	11 4	13 12	4½ 11	27 28	52 24	51+ 23	28 28	52 24	23	29, 77	65-	73
♂ 29.	☉ Lower L. ☉ Upper L.	30 29	6 13	8 9	5 0	28 27	30 58	26 56-	27 27	30 58	56-	29, 94	65	71
♀ 30.	☉ Upper L. ☉ Lower L.	29 30	14 7	9 9	9 3½	28 28	2 34	30- 9-	28 28	2 34	7½	29, 93	64½	68½
♂ JULY 3.	☉ Lower L. ☉ Upper L.	30 30	11 2	5 6	8 4½	28 28	47 15	24+ 55½	28 28	47 15	54½	29, 90	63	70
☉ 4.	☿ Upper L.	54	11	15	9	51	19	37	51	19	36	29, 82	68	72
♂ 5.	☉ Upper L. ☉ Lower L. ☿ Upper L.	30 30 59	5 14 10	8 7 3	1 8 9	28 28 55	26 58 54	51 23½ 43	28 28 55	26 58 54	23 42	29, 92 29, 93	64 65	69 67
♂ 6.	☉ Lower L. ☉ Upper L. ☿ Upper L.	31 30 64	0 7 6	3 3 13	0 7 9	29 28 60	14 32 24	18- 53 6	28 28 60	14 32 24	52 52 5	30, 00 29, 95	64 61	68 58
♀ 9.	☿ Upper L.	74	13	15	5	70	11	35	70	11	33	29, 82	60	60
♂ 10.	☿ Upper L.	75	14	2	1	71	8	25½	71	8	25	29, 89	59	57
☉ 11.	☉ Upper L. ☉ Lower L. ☿ Upper L.	31 31 75	1 10 5	7 7 1	10 5 10	29 29 70	8 40 36	58+ 32- 43	29 29 70	8 40 36	58+ 31½ 42	29, 94 29, 95	61 61	64 58
♂ 12.	☉ Lower L. ☉ Upper L.	31 31	12 3	13 13	4 12½	29 29	48 17	51½ 22-	29 29	48 17	21	29, 95	64	69
♂ 13.	☉ Lower L. ☉ Upper L.	31 31	13 6	5 5	2 10	29 29	50 26	36 6½	29 29	50 26	4½	29, 90	64	70
♀ 14.	☉ Upper L.	31	8	15	5	29	35	15+				29, 80	66	72½
♂ 15.	☉ Upper L. ☉ Lower L.	31 32	11 4	10 10	6 1	29 30	44 16	43 16½	29 30	44 16	15	29, 83	65	69
☉ 18.	☉ Upper L.	3	4	5	6	30	15	16-	30	15	17½	29, 68	66	71
♂ 19.	☉ Lower L. ☉ Upper L.	33 32	0 7	6 7	11 8	30 30	57 26	45 17-	30 30	57 26	16	29, 76	68	74½

In AUGUST MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
20.	☉ Lower L.	33	3	10	0	31	8	59½	31	9	0			
21.	2 S Ophiuchi.	44	11	4	6	41	54	39				29, 61	65	62
	1 μ Sagittarii.	77	5	11	8	72	31	19-						
	η Serpentis.	58	0	5	0	54	23	36						
	λ Sagittarii.	82	1	1	6½	76	56	20½						
	m } Aquilæ.	63	13	4	3	59	50	22,9						
o }	64	12	1	8	60	42	32,4							
23.	☉ Lower L.	33	13	13	11	31	44	59½				29, 53	65	70
	☉ Upper L.	33	4	14	1	31	13	24+	31	13	24½			
25.	☉ Upper L.	33	12	2	9	31	39	1½				29, 68	62	67
26.	☉ Lower L.	34	8	14	11	32	23	53				29, 78	62	64
	☉ Upper L.	33	15	15	7	31	52	18	31	52	20			
27.	☉ Upper L.	34	3	13	2	32	5	56+				29, 84	61	64
	☉ Lower L.	34	12	12	11	32	37	30½	32	37	31			
	Antares.	82	6	13	7	77	16	34						
28.	☉ Lower L.	35	0	12	4	32	51	27+				29, 90	62	68
29.	☉ Lower L.	35	4	13	1	33	5	41				29, 90	65	70
	☉ Upper L.	34	15	13	4½	32	34	6+	32	34	5			
	Venus's Center.	48	6	11	9	45	23	39½	45	23	39			
	Saturn.	75	6	2	6	70	40	23	70	40	24	29, 95	63	62
30.	☉ Upper L.	35	0	0	3	32	48	48						
AUG. 1.	I wound up this Clock, and the Pendulum was lengthened two Divisions; and the Clock was stopped 1' 27".													
	☉ Upper L.	35	8	8	3	33	18	41				29, 70	60	64
	☉ Upper L.	57	15	11	2	54	21	26:	54	21	27			
2.	Procyon.	48	10	13	2	45	38	3-:						
3.	☉ Lower L.	36	10	5	8	34	21	23+				29, 76	59½	61
	☉ Upper L.	36	1	5	11	33	49	48	33	49	47			
	☉ Upper L.	67	3	3	2	62	59	59½	63	0	0	29, 74	62	60
5.	☉ Upper L.	73	14	6	8	69	16	55+	69	16	54½			
	η Ophiuchi.	71	4	11	3	66	50	17-						
	α } Herculis.	39	3	9	10	36	46	26½						
	π }	15	5	3	12	14	22	11+						
	ω }	42	15	15	11	40	18	43-				29, 75	61	60
6.	☉ Upper L.	75	8	8	10	70	48	49	70	48	49			
	1 μ }	77	5	11	4-	72	31	18½						
	2 μ }	77	0	3	8½	72	12	3						
	δ }	86	11	2	10½	81	16	47+						
	ε }	91	7	10	8	85	45	41½						
	λ }	82	1	1	1	76	56	15						
	φ }	83	13	10	5½	78	36	44½						
	σ }	83	2	12	3	77	58	28				30, 03	59	56
	1 ξ }	77	3	3	3	72	22	30½						
	2 ξ }	77	10	14	4	72	49	33						
	ζ }	87	0	2	11½	81	34	23						
	↓ }	82	3	1	12	77	3	28						
	d }	75	8	2	12	70	47	31						
	v }	72	5	8	7½	67	49	28-						
	2 ρ }	74	13	8	3½	70	10	1+						
7.	☉ Upper L.	37	4	0	9	34	55	28-				30, 12	59	63
	☉ Lower L.	37	13	0	9	35	27	6	35	27	05			
8.	☉ Lower L.	38	1	14	3	35	44	8½				30, 18	62	67
	☉ Lower L.	75	0	4	9½	70	19	47+:						
9.	Saturn.	75	9	13	5	70	53	20-	70	53	19.			
	☉ Lower L.	72	6	1	6	67	51	24½	67	51	25	29, 94	59	57
10.	☉ Lower L.	38	11	13	3	36	19	5-				29, 82	61	65
	☉ Upper L.	38	2	13	5	35	47	28+	35	47	27			
	☉ Upper L.	68	1	13	5	63	51	27+	63	51	26	29, 78	59	56
12.	☉ Upper L.	59	0	7	4	55	20	21+	55	20	22	29, 69	58	56
	α Orionis.	47	1	0	12	44	7	28						
13.	☉ Lower L.	39	11	4	1	37	13	19				29, 79	61	65
	☉ Upper L.	39	2	4	5½	36	41	45	36	41	44			
	☉ Upper L.	54	4	6	5	50	52	58	50	52	57	29, 89	53	57
14.	☉ Lower L.	40	0	8	8	37	31	53½				29, 90	61	64
	☉ Upper L.	39	7	8	7	37	0	14	37	0	15			
	☉ Upper L.	49	11	8	8	46	36	49-	46	36	49	29, 80	56	59
15.	☉ Lower L.	40	5	13	12	37	50	38				29, 75	62	67
	Venus's Center.	49	1	14	1	46	51½							
	☉ Upper L.	45	8	12	8	42	42	9-	42	42	7½	29, 60	60	56

In SEPTEMBER MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
18.	☉ Upper L. ☉ Lower L.	40	13	4	10	38	16	45	38	48	19	29, 44	62	67
28.	☉ Lower L. ☉ Upper L. ☉ Upper L.	45	0	8	8	42	13	8½	41	41	25	30, 03	61	63½
	☉ Upper L.	44	7	8	2½	52	54	28½	52	54	27			
29.	☉ Upper L. ☉ Lower L.	44	13	9	4	42	2	45-	42	34	32	30, 08	62	68
	☉ Lower L.	45	6	10	0-	42	34	32+						
30.	☉ Lower L. ☉ Upper L.	45	12	13	0	42	56	17½	42	24	29½	30, 05	62	67
	☉ Upper L.	45	3	12	4½	42	24	30½						
31.	☉ Upper L. ☉ Lower L. ☉ Upper L.	45	9	14	2	42	46	0	43	17	49	30, 15	62	65
	☉ Lower L.	46	2	15	0	43	17	49½	65	32	44	30, 14	64	67
	☉ Upper L.	69	14	10	5	65	32	45						
SEPT. 1.	☉ Lower L. ☉ Upper L. ☉ Upper L.	46	9	2	2½	43	39	37+	43	7	49	30, 09	63	66
	☉ Upper L.	46	0	1	7	43	7	50+	68	30	32	30, 07	63	63
	☉ Upper L.	73	1	3	7	68	30	32½						
2.	☉ Upper L. ☉ Lower L. ☉ Upper L.	46	6	5	7	43	29	48½	44	1	38	30, 04	62	64
	☉ Lower L.	46	15	6	6	44	1	39+	70	24	35	30, 00	63	62
	☉ Upper L.	75	1	10	8	70	24	36-						
3.	☉ Lower L. ☉ Upper L. ☉ Lower L.	47	5	10	8	44	23	39½	43	51	50	29, 87	62	64
	☉ Upper L.	45	12	9	10	43	51	50	71	36	35½			
	☉ Lower L.	76	6	2	6-	71	36	38-						
	29 } Sagittarii.	76	12	12	11	72	0	0,5:				29, 84	64	64
	2 v }	79	6	6	11	74	26	20,7						
	2 ξ }	77	10	14	8	72	49	36,9						
4.	☉ Upper L. ☉ Lower L.	47	2	14	12	44	14	3½	44	45	54	29, 85	64	67
	☉ Lower L.	47	11	15	11½	44	45	54½						
6.	☉ Upper L.	47	15	10	10½	44	58	51½	44	58	52	29, 88	63	66
	γ } Aquilæ.	44	2	14	9	41	25	15½						
	α }	46	1	8	4½	43	12	51						
	ω }	83	8	11	2	78	19	19½						
	β } Sagittarii.	84	7	6	12	79	11	8-						
	α }	83	7	2	7	78	13	55						
	c }	85	1	2	1	79	45	13,3						
	τ }	47	13	6	9	44	50	55,3						
	64 } Aquilæ.	56	5	5	6	52	48	46,6				30, 00		60
	9 }	56	8	2	7	52	58	40,9						
	2 α }	69	0	9	0	64	43	13,7						
	v }	69	4	6	8	64	56	45,9						
	π }	75	1	13	6½	70	25	13,8						
	ρ } Capricorni.	74	11	2	11½	70	1	48,2						
	σ }	75	8	4	9	70	47	54,2						
	τ }	71	11	5	3	67	13	34,2						
	υ }	75	1	10	0	70	24	27,8						
	Saturn.	76	1	6	10	71	20	0	71	20	0			
	♄ Capricorni.	82	11	2	12	77	31	48,7						
	♊ Aquarii.	65	14	15	4½	61	48	50,4						
	ω }	84	7	12	0	79	12	14,8						
	η } Capricorni.	77	0	10	2	72	13	28,8						
	θ }	74	4	1	5½	69	36	52,4						
	υ } Aquarii.	68	0	9	2	63	47	0,7						
	φ }	77	11	0	6	72	50	1,3						
	ι } Capricorni.	73	14	8	2	69	17	15,6						
	ξ }	79	13	11	8	74	52	0,2						
	β } Aquarii.	79	3	8	9	74	16	12,3						
	ε }	61	15	3	0	58	4	38,6					59	53
	γ } Capricorni.	76	12	4	0	71	58	4						
	δ }	73	12	10	12	69	10	50,1						
	☉ Lower L.	70	7	1	7	66	2	27-	66	2	27			
7.	☉ Lower L.	66	6	6	4-	62	14	58	62	14	56½	30, 05	56	51
8.	☉ Upper L. ☉ Lower L.	48	12	7	11	45	43	54½	46	15	43	29, 95	59	62
	☉ Lower L.	49	5	8	9	46	15	44						
9.	☉ Upper L.	56	7	8	10	52	56	32	52	56	31	29, 85	57	54
11.	☉ Upper L. ☉ Lower L. ☉ Upper L.	49	15	14	9	46	52	12½	47	24	7	30, 15	60	65½
	☉ Lower L.	50	8	15	11	47	24	6+	44	21	55	30, 14	59	56
	☉ Upper L.	47	5	2	8	44	21	54						
12.	☉ Lower L. ☉ Upper L. ☉ Upper L. Castor. Very faint.	50	15	8	2½	47	47	2	47	15	11	30, 11	60	62
	☉ Upper L.	50	6	7	2½	47	15	10½	40	39	49	30, 03	58	54
	☉ Upper L.	43	5	15	10	40	39	47½						
	Castor. Very faint.	20	5	9	11	20	8	29+:						

In SEPTEMBER MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
12.	<i>Procyon.</i> <i>Pollux.</i> <i>Venus's Center.</i>	48	10	12	6	45	37	53½						
		24	6	8	4	22	52	55						
		44	4	0	6	41	29	10	41	29	10½			
13.	☉ Upper L. ☉ Lower L. γ <i>Draconis.</i> 2 S <i>Ophiuchi.</i> n <i>Serpentis.</i> κ <i>Lyrae.</i> 109 } <i>Serpentis.</i> d } m <i>Aquila.</i> α <i>Lyrae.</i> ☽ Upper L.	50	13	0	4	47	38	16½				29, 95	60	03
		51	6	1	4	48	10	8—	48	10	8			
		0	0	15	11½	0	3	29+	0	3	28½			
		44	11	3	11½	41	54	31½						
		58	0	4	10—	54	23	32½						
		16	8	7	6	15	29	46						
		31	12	5	2	29	47	4+						
		54	12	14	4½	51	22	50+						
		63	13	3	11	59	50	17,7						
		13	12	1	5	12	53	44½						
		40	0	13	8	37	32	59½	37	32	59	29, 64	58	55
14.	☉ Lower L. ☉ Upper L. ☽ Upper L.	51	12	10	4½	48	33	12½				29, 51	61	67
		51	3	9	4	48	1	20½	48	1	20			
		37	7	10	11	35	8	14	35	8	13	29, 60	58	53
15.	☉ Upper L. Fluttered. ☉ Lower L. ☽ Upper L.	51	10	2	5	48	24	26—				29, 67	59	59
		52	3	3	12	48	56	24½	48	56	25			
		35	12	0	6	33	31	2+	33	31	1	29, 74	58	53½
16.	☉ Lower L. ☉ Upper L.	52	9	13	5½	49	19	35+				29, 7	61	69
		52	0	12	3	48	47	41+	48	47	39			
17.	☉ Upper L. ☉ Lower L.	52	7	6	0	49	10	56—				29, 58	61	62½
		53	0	7	3½	49	42	51—	49	42	51			
21.	☉ Lower L. ☉ Upper L.	54	11	0	5	51	16	15+				29, 81	57½	58½
		54	1	14	11½	50	44	17	50	44	15			
22.	H <i>Geminorum.</i>	30	1	10	0	28	13	13—				29, 73	54½	48
23.	☉ Upper L. ☉ Lower L.	54	15	4	0	51	31	7—				29, 80	56	57½
		55	8	5	7—	52	3	5+	52	3	4			
24.	☉ Lower L. ☉ Upper L. H n } <i>Geminorum.</i> μ γ }	55	15	0	2	52	26	31				30, 02	57	60
		55	5	14	12½	51	54	37—	51	54	36			
		30	1	9	12	28	13	11½				30, 08	54+	48
		30	13	8	6½	28	55	4+						
		39	12	8	0	28	51	27—						
		37	3	5	11	34	53	5—						
26.	☉ Upper L. ☉ Lower L. n } <i>Geminorum.</i> μ γ } Syrius.	56	3	4	7	52	41	32½				30, 17	62	68
		56	12	5	8	53	13	25+	53	13	24			
		30	13	8	8	28	55	6—						
		30	12	8	0—	28	51	26½						
		33	2	3	11	31	4	7½				30, 20	58	56
		37	3	5	11	34	53	5—						
		72	5	11	11½	67	50	11+	67	50	10½			
27.	☉ Upper L. ☉ Lower L.	56	9	14	11	53	4	54				30, 24	61	66½
		57	3	0	2	53	36	50—	53	36	47			
28.	☉ Lower L. ☉ Upper L. ☽ Upper L. Faint. Saturn's Center.	57	9	10	12	54	0	17+				30, 14	62½	68
		57	0	9	3	53	28	17—	53	28	15			
		72	5	1	10	67	47	58	67	47	57	30, 05	64	66
		76	4	6	0	71	30	23	71	30	23	29, 99	62	60
30.	H } <i>Geminorum.</i> n } μ Syrius.	30	1	9	12½	28	13	12						
		30	13	8	8	28	56	6—						
		30	12	8	0½	28	51	27+				29, 80	55	49½
		72	5	11	10	67	50	10—	67	50	9			
Oct. 1.	☉ Upper L. ☉ Lower L. ☽ Lower L.	58	4	8	5	54	38	24+				29, 85	57½	58½
		58	13	10	0	55	10	24	55	10	23½			
		76	2	5	0	71	23	8—	71	23	7½	29, 88	58½	57
2.	☉ Lower L. ☉ Upper L. ☽ Lower L. Saturn's Center.	59	4	3	10	55	33	38+				29, 91	59	60
		58	11	2	2½	55	1	39+	55	1	36½			
		74	8	7	7½	69	52	17+	69	52	16	29, 84	58½	57
		76	4	9	0	71	31	2½	71	31	2			
3.	☽ Lower L.	71	11	15	8	67	15	51	67	15	50½	29, 74	56½	52½
4.	☽ Lower L. <i>Procyon.</i> <i>Venus's Center.</i>	68	0	12	11—	63	47	49	67	47	46—	29, 49	59	60
		48	10	12	9	45	37	56½	45	37	56½			
		44	7	15	8	41	43	2+	41	43	2½	20, 61	56½	56
5.	☉ Upper L. ☉ Lower L. ☽ Lower L. H } <i>Geminorum.</i> n }	59	14	14	12	56	11	14½				29, 61	57	50½
		60	8	0	5½	56	43	13	56	43	12			
		63	11	6	10+	59	43	54½	59	43	55	29, 68	54	49
		30	1	9	10	28	12	59,6						
		30	13	8	6½	28	55	4,2						

In OCTOBER MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
5.	μ } <i>Geminorum.</i> ν } γ } <i>Syrus.</i> <i>Procyon.</i>	30	12	7	10+	28	51	23.5				29, 81	51	43½
		33	3	3	11	31	7	28.4						
		37	3	5	9	34	53	2.7						
		72	5	12	0	67	50	13	67	50	12			
		48	10	12	6	45	37	53½	45	37	52			
6.	☉ Lower L. ☉ Upper L. <i>Venus's Center.</i>	60	14	9	2½	57	6	14+				29, 90	53	53
		60	5	7	4	56	34	11	56	34	10	29, 53	53	53
		44	12	6	3	41	58	33½	41	58	32			
7.	☉ Upper L. ☉ Lower L. α <i>Lyræ.</i> β Lower L. <i>Syrus.</i> δ <i>Canis majoris.</i> <i>Castor.</i> <i>Procyon.</i> <i>Venus's Center.</i>	60	12	0	0	56	57	11+	56	57	11+	29, 60	54	56½
		61	5	1	3::	57	29	6	57	29	5::			
		13	12	1	5	12	53	44½	12	53	42½			
		54	4	4	4	50	52	30½	50	52	28	29, 74	52	47
		72	5	12	0	67	50	13	67	50	11	29, 78	49.5	43.5
		82	9	6	4	76	25	31½	77	25	30			
		20	5	9	5	19	4	38.3						
		48	10	12	6	45	37	53½	45	37	52			
		44	14	13	2	42	7	6½	42	7	6	29, 8	50	47.5
8.	☉ Lower L. ☉ Upper L. <i>Arcturus.</i> α } <i>Lyræ.</i> β } ζ <i>Aquilæ.</i> β <i>Cygni.</i> γ } <i>Aquilæ.</i> α } α <i>Cygni.</i>	61	11	10	5	57	52	12				29, 86	52	52
		61	2	8	3	57	20	5+	57	20	5			
		33	1	2	3	31	0	15+	31	0	14			
		13	12	1	5	12	53	41	12	53	42			
		19	9	8	5	18	22	14-	18	22	12			
		40	7	8	0	37	56	22-	37	56	20			
		25	9	9	5	23	59	57	23	59	58			
		44	2	14	4	41	25	10+						
		46	1	8	3	43	12	49	43	12	50			
		7	8	4	5	7	2	50	7	2	48			
9.	β Upper L.	44	14	8	3	42	6	1½	42	6	0	29, 75	55½	54
10.	<i>Arcturus.</i>	33	1	2	3	31	0	15+	31	0	14	29, 6	56	59
11.	β Upper L. <i>Venus's Center.</i>	38	4	14	11	35	54	49	35	54	47½	29, 12	53	47
		45	10	2	10	42	47	0½	42	47	0	29, 16	51	46
12.	☉ Lower L. ☉ Upper L. <i>Arcturus.</i> α <i>Lyræ.</i> β Upper L.	63	5	8	0	59	23	5	59	23	4	29, 18	52½	52
		62	12	5	7	58	50	54						
		33	1	2	3	31	0	15+	31	0	15			
		13	12	1	3	12	53	39	12	53	40½			
		36	3	0	8	33	55	41	33	55	39	29, 26	40	42
16.	☉ Upper L. ☉ Lower L. β Upper L. Very hazy.	64	5	11	2	60	20	1½				29, 42	55	59
		64	14	13	6	60	52	10½	60	52	9			
		37	2	6	5	34	49	42	34	49	40	29, 55	51.5	48
19.	<i>Venus's Center.</i>	47	7	15	5	44	31	44	44	31	42½	29, 75	52	50.5
20.	☉ Lower L. ☉ Upper L.	66	7	9	8	62	19	13				29, 81	54	54
		65	14	7	0	61	47	0	61	46	59			
23.	<i>Saturn's Center.</i>	76	3	12	4	71	28	15	71	28	13			
24.	☉ Upper L. ☉ Lower L.	67	6	8	0	63	11	36				30, 05	52	56
		67	15	10	7	63	43	48	63	43	48			
28.	<i>Arcturus.</i>	33	1	2	8	31	0	19						
29.	☉ Lower L. ☉ Upper L. α <i>Aquilæ.</i> β Lower L. γ <i>Cygni.</i> β <i>Aquilæ.</i> β } <i>Delphini.</i> α } δ <i>Capricorni.</i> δ <i>Aquilæ.</i> ι <i>Capricorni.</i> β <i>Aquarii.</i> γ } <i>Capricorni.</i> ω } ι } <i>Aquarii.</i> 42 }	69	12	8	10	65	25	21½				30, 08	49	48½
		69	3	5	5	64	52	58½						
		46	1	8	2	43	12	48½						
		75	6	0	0	70	39	50½	70	39	49	29, 31	50	47
		12	3	15	3	11	28	53½						
		58	12	13	10	55	7	42½						
		40	1	14	1	37	36	36½						
		38	13	1	7	36	23	32½						
		74	4	1	10	69	36	57						
		45	4	0	10	42	25	29-						
		73	14	8	6	69	17	19½						
		61	15	2	11-	58	4	36+						
		73	12	11	4	69	10	55+						
		70	8	8	4	66	7	27						
		70	14	9	0	66	28	41						
		69	13	7	2	65	28	31½						
30.	☉ Upper L. ☉ Lower L. δ <i>Aquilæ.</i> β } π } <i>Capricorni.</i> τ } ϵ <i>Aquarii.</i>	69	8	14	10	65	12	37				29 87	50½	54½
		70	2	1	11	65	44	56	65	44	55			
		56	8	2	7	52	58	41						
		71	6	14	12	68	58	7+						
		75	1	13	10	70	25	17+						
		71	11	5	8	67	13	39+						
		65	14	15	8	61	48	54						

In NOVEMBER MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divis. reduced.			By the interior Divisions.			Inches.	Deg.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
30.	Lower L.	72	14	5	7	68	20	26	68	20	25	29, 86	51½	50
	β } Aquarii.	61	15	3	0	58	4	38½						
	ξ } Capricorni.	64	6	7	9	60	22	47						
	μ } Capricorni.	70	15	15	0	66	33	32-						
	α } Aquarii.	70	8	8	6	66	7	29						
	9 } Pegasi.	56	7	9	9	52	56	44						
	9 } Pegasi.	49	8	11	3	46	26	50½						
	9 } Pegasi.	64	7	6	1	60	25	56½						
	γ } Aquarii.	57	10	9	4	54	3	27						
	π } Aquarii.	54	11	9	1	51	18	10						
	ζ } Aquarii.	56	3	9	8	52	42	39½						
	60 } Pegasi.	57	14	3	10	54	16	17						
	ζ } Pegasi.	44	10	15	1	41	53	28						
	ξ } Pegasi.	43	3	11	2	40	31	45-						
	λ } Aquarii.	64	5	6	1	60	18	55-						
	3 } Piscium.	56	1	3	0	52	34	10½						
	β } Pegasi.	26	5	8	3	24	41	53+						
	γ } Piscium.	52	12	12	9	49	29	58½						
	b } Piscium.	50	8	15	5	47	24	0+						
Nov. 1.	Lower L.	70	13	2	0	66	33	38				29, 99	51	52½
	Upper L.	70	3	15	3	65	51	23½	65	51	22			
	γ Aquilæ.	44	2	14	7	41	25	13½	41	25	16			
	2 α Capricorni.	69	0	9	2	64	43	15½						
	70 Aquilæ.	58	7	11	9	54	49	40½						
	ε } Aquarii.	65	14	15	6	61	48	52						
	μ } Aquarii.	65	6	9	10	61	19	29+						
	7 } Aquarii.	66	3	2	2	62	3	31+						
	12 } Aquarii.	62	1	9	9	58	13	8½						
	9 } Capricorni.	74	4	1	10	69	36	57						
	29 } Capricorni.	72	1	12	4	67	36	13						
	30 } Capricorni.	75	1	13	1	70	25	8						
	ι } Aquarii.	73	14	8	6	69	17	19½						
	β } Aquarii.	79	13	11	8	74	52	0+						
	α } Capricorni.	61	15	2	12	58	4	37½						
	μ } Capricorni.	76	2	6	0	71	23	21						
	29 } Capricorni.	70	8	8	1	66	7	24						
	ι } Aquarii.	74	3	2	4	69	33	33+						
	39 } Aquarii.	70	14	8	7	66	28	35½						
	42 } Aquarii.	71	4	5	11	66	49	5½						
	ρ } Capricorni.	69	13	6	11	65	28	27+						
	σ } Capricorni.	64	8	3	1	60	28	48						
	39 } Pegasi.	56	3	9	4	52	42	35						
	40 } Pegasi.	34	12	4	12	32	35	46						
	λ } Aquarii.	35	6	7	9	33	11	32						
	δ } Aquarii.	31	1	13	12	29	10	19+						
	Lower L.	73	1	12	11	68	32	35						
	γ Piscium.	65	4	10	5	61	12	35½	61	12	34	30, 0	50	44,5
	66 Pegasi.	52	12	12	7	49	29	56						
	ι x } Piscium.	43	2	12	8	40	28	33						
	14 } Piscium.	54	15	6	5	51	31	38+						
	λ } Piscium.	57	10	5	0	54	2	30+						
	10 } Piscium.	54	6	9	8	51	0	42+						
	21 } Piscium.	52	9	11	0	49	19	3½						
	2 c } Piscium.	55	2	12	15::	51	43	10,1						
	33 } Ceti.	47	4	7	10	44	19	31						
	γ Pegasi.	62	6	11	4	58	31	4½						
	36 } Piscium.	58	15	0	3	55	15	17						
	d } Piscium.	40	2	4	0	37	37	54½						
		47	8	11	0	44	34	17½						
		47	9	8	7	44	37	16						
2.	Upper L.	70	9	5	2	66	9	16½				29, 80	54	51
3.	Lower L.	55	0	2	2	52	30	28+	52	30	27	29, 62	49,0	43,0
	Regulus.	40	13	15	8	38	19	8	38	19	9½			
	Arcturus.	33	1	2	9	31	0	21+	31	0	20	29, 85	47	44
4.	Lower L.	71	13	1	3	67	19	43				29, 86	47,5	44,5
	Upper L.	71	3	14	1	66	47	23	66	47	22			
	α Aquilæ.	46	1	8	3	43	12	49½						
	Lower L.	51	5	9	9	48	8	27	48	8	25	29, 99	45,5	38
5.	Lower L.	46	15	8	7	44	2	6½	44	2	5	29, 58	46½	45
	Venus's Center.	53	0	15	0	49	44	32½	49	44	31	29, 66	45	43
	Arcturus.	33	1	2	4	31	0	16+	31	0	15			

In NOVEMBER MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES						BARO- METER	THERMO- METER.				
		By the exterior Divisions.		By the exterior Divif. reduced.		By the interior Divisions.			Inches.	Deg.	Deg.		
		Div.	Part.	Vern.	Sec.	D.	M.	S.				D.	M.
h	6.	☉ Upper L. α Lyrae. ☽ Lower L. ☽ Upper L. e Tauri.	71 13 43 42 43	14 12 0 8 13	2 1 14 2 3	9 9 3 10 10	67 12 40 39 41	23 53 21 51 5	33½ 48½ 52½ 14 16½	12 53 39 51 13	29, 71 30, 02	45, 5 45 40, 5	47, 0
☉	7.	☉ Lower L. ☉ Upper L. ☽ Lower L. 29 Tauri. Aldebaran. 10 } Orionis. 2 y }	73 72 39 38 37 40 38	12 3 12 9 13 2 13	6 2 6 1 5 7 10	1 7 0 6 6 0 2	69 67 37 36 35 37 36	9 41 17 9 28 38 25	46 6 15½ 27½ 9 34+ 26	37 17 14	30, 16 30, 23	45 43, 0 34, 0	43½
☽	8.	☉ Upper L. ☉ Lower L. α } Aquilae. β } Fomalhaut. Aldebaran. ☽ Lower L. ☽ Upper L. 129 Tauri. Arcturus.	72 73 46 48 87 37 37 36 38 33	8 1 1 10 12 13 4 11 2 1	2 5 8 14 0 5 5 12 6 2	0 2 4 9 3 7 10 8 0 9	67 68 43 45 82 35 34 34 35 31	58 30 12 38 15 28 56 26 45 0	34 54 50½ 33 59+ 10 34½ 26½ 51 21+	68 30 56 34 26 25	30, 23 30, 22 30, 22 30, 17	42, 5 44, 5 44, 0 42, 0	30, 5 43, 5 39, 0 34, 0
♂	9.	☉ Lower L. ☉ Upper L. α Lyrae. γ Aquilae. Arcturus.	73 72 13 44 33	6 12 12 2 1	3 15 1 14 2	3 7 11 9 11	68 68 12 41 31	48 15 53 25 0	3 36 50½ 16½ 23+	68 15 36	30, 11	42	39, 0
♀	10.	☉ Upper L. ☉ Lower L. ☽ Upper L. ☽ Lower L. Arcturus.	73 73 33 35 33	1 10 3 0 1	12 15 4 0 2	0 10 3 0 13-	68 69 31 32 31	32 4 7 48 0	24 52 43, 5 45 25+	69 4 51 32 48 43	30, 0 29, 98	41 39, 0	36½ 29½
♂	11.	☉ Lower L. ☉ Upper L. α Lyrae. ☽ Lower L. Arcturus.	73 73 13 35 33	15 6 12 5 1	10 7 1 4 3	7 3 12 3 0	69 68 12 33 31	21 48 53 7 0	18 56 51½ 15½ 25½	68 48 56½ 33 7 13	29, 98 29, 86	40 38½	37 31, 0
♀	12.	☉ Upper L. ☉ Lower L.	73 74	11 4	1 4	0 8	69 69	5 37	8½ 34½	69 37 34	29, 82	39½	39½
☽	15.	☽ Lower L.	45	11	6	8	42	51	22	42 51 20	29, 5	48, 0	50, 0
♀	17.	☉ Lower L. ☉ Upper L.	75 75	9 0	15 11	1 10	70 70	53 21	42 20	70 21 18	29, 09	49	52
♂	18.	☉ Upper L. ☉ Lower L.	75 75	4 14	12 0	7 1	70 71	35 7	34 59	71 7 58	29, 6	45½	41
♀	19.	☉ Lower L. ☉ Upper L. α Aquilae.	76 75 46	1 8 1	14 11 8	0 0 1	71 70 43	21 49 12	44 17½ 47½	70 49 16	29, 67	41, 0	32, 0
h	20.	☉ Upper L. ☉ Lower L. α Aquilae. Arcturus.	75 76 46 33	12 5 1 1	8 12 8 2	7 6 4 12	71 71 43 31	2 35 12 0	48½ 19 50, 4 24½	71 35 20	29, 78 29, 94	39, 0 36, 0	31, 0 28, 5
☉	21.	☉ Lower L. ☉ Upper L.	76 76	9 0	8 4	2 3	71 71	48 15	26 55½	71 15 54	29, 50	36	31
♀	24.	☉ Upper L. ☉ Lower L. α Aquilae. μ Capricorni. 29 } 30 } α } β } γ } δ } ε } ζ } η } θ } ι } κ } 67 } 1 τ } 2 τ } λ }	76 74 46 70 74 58 56 64 64 56 78 60 63 71 70 64	10 4 1 8 3 6 7 7 8 4 11 10 3 11 5	13 1 8 8 2 12 9 5 3 2 8 7 8 10 6	10 7 4 2 1 4 7 12 0 7 11 8 11 10 0	71 72 43 66 69 54 52 60 60 52 73 56 59 66 66 60	53 25 12 7 33 46 56 25 28 42 22 55 40 46 18 18	11 39 50½ 25 30+ 18- 42+ 54½ 47 38½ 3 32- 37½ 11+ 33 54-		29, 68 29, 74	35 36, 0	30½ 33, 0

In NOVEMBER MDCC LVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.					S.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
24.	4 h } φ } <i>Aquarii.</i> 3 ↓ } 97 } 1 κ } 14 } <i>Pifcium.</i> i } 77 <i>Pegafi.</i> 19 } 22 } <i>Pifcium.</i> 26 } ω } 5 <i>Ceti.</i> γ <i>Pegafi.</i> 44 <i>Pifcium.</i> 12 } <i>Ceti.</i> β } δ <i>Pifcium.</i> η } 39 } <i>Ceti.</i> θ } 46 } μ } 101 } <i>Pifcium.</i> 106 } or 51 <i>Ceti.</i> γ } <i>Arietis.</i> i } α <i>Pifcium.</i> α <i>Hydræ.</i> 7 } o } ↓ } <i>Leonis.</i> 19 } μ } 10 <i>Sextantis.</i> π } <i>Leonis.</i> η } <i>Regulus.</i> ζ <i>Leonis.</i> <i>Arcturus.</i>	64 7 10 8 62 11 9 11 66 8 10 6 72 5 4 0 54 15 6 6 57 10 5 0 50 4 10 7 45 4 15 1 52 9 11 0 53 3 3 11 48 12 10 0 49 0 1 3 58 15 0 4 40 2 4 2 54 4 1 9 60 8 10 0 75 7 8 12 48 3 7 3 67 1 14 1 58 14 12 5 64 15 4 0 71 12 12 0 49 10 14 10 40 9 7 10 50 5 11 11 35 9 9 11 37 2 11 3 53 3 5 0 63 0 1 0 38 6 10 8 43 2 13 3 38 12 4 7 41 1 14 0 25 15 4 8 44 2 6 0 45 1 4 8 35 12 3 10 40 13 15 10 28 10 4 7 33 1 3 2	60 26 56½ 58 48 20 62 22 55+ 67 48 27½ 51 31 39+ 54 2 30+ 47 8 52½ 42 28 37½ 49 19 3½ 49 52 38½ 45 44 23 45 56 31+ 55 15 18 37 37 56½ 50 51 56 56 45 19+ 70 45 19 45 12 8 62 55 21½ 55 14 26+ 60 53 37- 67 18 34½ 46 34 39 38 3 20½ 47 12 40½ 33 22 33 34 50 45 49 52 53½ 59 3 58+ 36 0 47½ 40 28 41+ 36 20 41 38 32 50½ 24 20 0- 41 23 21 42 15 46½ 33 31 46- 38 19 10 26 51 9 31 0 27½																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

In DECEMBER MDCCCLVI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES						BARO- METER	THERMO- METER.				
		By the exterior Divisions.		By the exterior Divif. reduced.		By the interior Divisions.			With- in.	With- out.			
		Div.	Part.	Vern.	Sec.	D.	M.	S.			D.	M.	S.
27.	48 } <i>Pisium.</i> 51 } 15 } <i>Ceti.</i> β }	38	12	10	4	36	21	57					
		48	14	8	3	45	51	1½					
		56	13	10	2	53	17	56					
		75	7	9	1	70	45	21+			30, 09	38,5	32,0
28.	☉ Upper L. ☉ Lower L. ♄ Lower L. <i>Fomalhaut.</i>	77	7	6	7	72	37	17			30, 29	30½	32
		78	0	10	5	73	9	47	73 9 49				
		66	14	8	0	62	43	28½	62 43 30		30, 31	37,0	32,0
		87	11	15	7	82	15	50					
30.	☉ Lower L.	78	6	4	5	73	29	33+			30, 21	40,0	43,0
DEC. 1.	☉ Upper L. α <i>Aquila.</i>	77	15	10	4	73	6	15			30, 13	41,0	43,0
		46	1	8	8	43	12	54½					
3.	♄ Lower L.	44	5	15	3	41	35	55	41 35 54		30, 09	41,0	38½
8.	♄ Lower L. <i>Arcturus.</i>	34	14	8	0::	32	43	28½			30, 3	38,0	36,0
		33	1	3	6	31	0	31½					
13.	☉ Lower L. ☉ Upper L. α <i>Aquila.</i> α <i>Cygni.</i>	79	14	10	0	74	55	10			29, 72	36,0	37½
		79	5	6	0	74	22	39	74 22 37½				
		46	1	8	10	43	12	56½					
		7	8	5	0	7	2	58½			29, 67	37,0	38,0
14.	β <i>Virginis.</i> ♄ Lower L.	49	8	12	4	46	27	4½					
		52	9	1	5	49	16	56	49 16 54½		29, 63	38,0	36,0
15.	☉ Upper L. ☉ Lower L. α <i>Lyræ.</i>	79	7	3	5	74	29	6			29, 55	39,0	41½
		80	0	7	3	75	1	35	75 1 36				
		13	12	2	6	12	53	58½					
16.	☉ Lower L. ☉ Upper L. α <i>Lyræ.</i> ♄ Lower L.	80	1	3	0	75	4	10½			29, 20	42,0	44½
		79	7	15	3	74	31	42	74 31 41				
		13	12	2	7	12	53	59½					
		62	7	11	6	58	34	37½	58 34 38		29, 68	37,0	34,0
19.	☉ Upper L. ☉ Lower L.	79	9	4	5	74	36	21+			29, 67	46,0	49½
		80	2	8	2	75	8	49	75 8 50½				
23.	☉ Lower L. ☉ Upper L. α <i>Cygni.</i> 79 <i>Ceti.</i> 35 } 1 ♄ } ε } <i>Arietis.</i> 51 } δ } 30 <i>Persei.</i> 64 <i>Arietis.</i> ξ <i>Tauri.</i> 47 <i>Eridani.</i> 10 <i>Tauri.</i> ζ <i>Persei.</i> 32 } <i>Eridani.</i> 36 } ρ <i>Tauri.</i> o <i>Eridani.</i> 2 ω } <i>Tauri.</i> φ }	80	2	6	0	75	8	21	74 35 53	30, 07	42,0	37,0	
		79	9	2	2	74	35	52					
		7	8	5	2	7	3	0½					
		59	12	13	0	56	3	47½					
		26	7	7	8½	24	48	47+					
		37	0	13	7	34	44	13½					
		33	3	0	11	31	6	59-					
		27	11	7	7	25	59	4½					
		34	13	11	4	32	40	41+					
		8	14	11	10	8	21	48					
		29	7	7	7	27	37	31-					
		45	6	15	6	42	35	44½			30, 06	40,0	32,0
		61	3	4	2	57	22	42½					
		55	4	13	0	51	50	40					
		21	11	0	0	20	19	55+					
		58	13	2	8	55	8	46½					
		81	3	5	11	76	8	4½					
		27	5	11	2	25	38	46½					
		62	13	15	0	58	56	30					
		33	9	12	8	31	30	39½					
		26	5	15	11	24	43	33½					
30.	♄ Lower L.	45	12	11	9	42	56	0+	42 56 1		30, 25	36,0	30,5

In JANUARY MDCC LVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h JAN. 1.	☉ Upper L.	79	1	2	5	74	7	47+				29, 93	40,0	36
☉ 2.	☉ Lower L.	79	8	14	0	74	34	57				29, 62	36½	37,0
	☉ Upper L.	78	15	10	0	74	2	26	74	2	25			
	48 } Andromedæ.	7	13	1	10	7	29	50½						
	λ } Arietis.	8	14	3	10	8	20	2½				29, 55	36,0	35,0
	2 } Trianguli.	34	8	12	12	32	23	27½						
	γ } Ceti.	20	0	3	10	18	45	49½						
	0 } Ceti.	59	4	0	12	55	33	1-						
	1 ξ } Ceti.	47	0	12	0	44	6	23+						
	☉ Lower L.	36	10	5	10	34	21	25+	34	21	25	29, 55	35,0	32,5
☉ 3.	☉ Upper L.	78	13	14	10	73	56	27				29, 61	34,5	31,0
	☉ Lower L.	79	7	3	0	74	29	1	74	29	0			
	☉ Upper L. 2.	34	11	4	11	32	32	14	32	32	13	29, 67	33,0	31,0
☉ 4.	☉ Lower L.	79	5	6	0	74	22	39	74	22	38	29, 80	34,0	31,5
☉ 5.	19 Arietis.	34	14	2	0	32	42	9½						
	69 } Ceti.	55	10	9	11	52	11	4						
	71 } Ceti.	58	12	9	7	55	6	47						
	2 ξ } Ceti.	47	0	11	8	44	6	18						
	75 } Ceti.	57	2	6	6	53	34	42						
	γ } Ceti.	50	1	2	3	46	56	33+						
	δ } Ceti.	55	10	11	9	52	11	28½						
	7 } Ceti.	52	8	11	10	49	15	42½						
	41 Arietis.	26	14	8	8	25	13	36½						
	2 p Persei.	15	1	6	0	14	8	35						
	1 p Arietis.	37	0	13	1	34	44	7½						
	η Eridani.	65	6	10	11	61	19	43½						
	λ } Ceti.	46	7	1	2	43	32	21½						
	α } Ceti.	51	9	0	0	48	20	23½						
	3 p Eridani.	64	0	4	7	60	0	59½						
	55 } Arietis.	24	14	5	0	23	20	19						
	56 } Ceti.	26	13	2	12	25	8	50½						
	94 Ceti.	57	2	6	7	53	34	43						
	59 } Arietis.	26	15	11	8	25	17	47						
	62 } Arietis.	26	6	7	4	24	45	12				30, 12	33	27
	0 } Tauri.	43	6	1	6	40	40	10-						
	ξ } Tauri.	45	6	15	2	42	35	40½						
	p } Tauri.	43	11	6	1	40	58	45½						
	7 } Tauri.	29	11	2	0	27	50	21½						
	9 } Tauri.	31	0	4	12	29	4	49½						
	10 } Tauri.	55	4	13	0	51	50	40						
	☉ Lower L.	35	5	9	3	33	8	21+	33	8	21	30, 15	32,0	25,5
☉ 6.	Jupiter's Center.	70	14	11	2	66	29	10	66	29	8½	30, 15	30,0	21½
	α Lyrae.	13	12	3	0	12	54	6-						
☉ 7.	☉ Upper L.	78	5	14	11	73	28	20½				30, 08	30,0	29,0
	☉ Lower L.	78	15	3	2	74	0	56	74	0	57½			
	☉ Lower L.	39	4	15	4	36	51	10½	36	51	9	30, 0	29,0	20½
☉ 9.	7 } Tauri.	29	11	2	11	27	50	32½						
	13 } Tauri.	34	11	12	7	32	33	55½						
	24 Eridani.	56	15	6	12	53	24	15+						
	e } Tauri.	43	13	3	8	41	5	14½						
	2 μ } Tauri.	48	11	8	11	45	40	37-						
	32 Eridani.	58	13	3	0	55	8	51½						
	33 } Tauri.	30	14	8	0	28	58	28½				39, 71	29,7	24,0
	41 } Tauri.	26	2	15	3	24	32	52½						
	p } Tauri.	27	5	11	0	25	38	44½						
	45 } Tauri.	49	11	2	7	46	35	28½						
	μ } Tauri.	46	1	4	6	43	11	59½						
	54 Persei.	18	10	15	4	17	31	1						
☉ 16.	☉ Lower L.	75	12	8	0::	71	2	41½				29, 65	33,0	27,0
☉ 17.	☉ Lower L. Hazy.	77	2	12	0	72	20	55				29, 57	34	34
	☉ Upper L.	76	9	8	3	71	48	27	71	48	25			
☉ 20.	☉ Upper L.	74	14	12	0	71	10	36				29, 32	38,0	40,0
	☉ Lower L.	76	7	15	5	71	42	59	71	43	0			
☉ 22.	☉ Lower L.	76	7	4	0	71	15	52½				29, 42	36½	35,0
	☉ Upper L.	75	7	0	0	70	43	21½	70	43	22			
☉ 23.	☉ Upper L.	75	3	0	3	70	29	21				29, 47	37½	36,0
	☉ Lower L.	75	12	4	0	71	1	49	71	1	49½			
☉ 24.	☉ Lower L.	75	8	2	1	70	47	20				29, 40	36,0	36,0
	☉ Upper L.	74	14	14	1	70	14	49						

In FEBRUARY MDCC LVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
δ 25.	☉ Upper L. ☽ Lower L. ξ } Ceti. ο } Arietis. ξ Arietis. Venus's Center.	74	10	12	7::	70	0	24½				28, 75	38,0	39,0
		52	0	4	0	48	45	52	48	45	51	28, 72	38,0	36,0
		46	11	0	0	43	46	10+						
		59	4	1	0	55	33	2						
		44	12	4	1	41	58	5						
		78	13	12	4	73	55	54+	73	55	53	28, 70	37,0	35½
γ 26.	☽ Lower L. ξ Orionis. ι Tauri. 13 Orionis.	47	7	9	8::	44	30	28+				28, 72	38,0	38,0
		52	11	12	8	49	26	26½						
		32	4	4	9	30	15	5½						
		45	2	2	1	42	18	44+						
π 27.	☉ Lower L. ☉ Upper L. ☽ Lower L. 12 Tauri. 17 } Pleiadum. " } 32 } Eridani. 7 } 49 Persei. 45 } 53 } Tauri. 76 } 83 }	74	11	3	6	70	1	56				28, 91	36½	35½
		74	1	15	5	69	29	23						
		43	7	0	0	40	43	21½	40	43	22	29, 0	36½	34,0
		52	7	14	5	49	12	46						
		30	0	4	7	28	8	29½						
		30	0	3	4	28	8	13½						
		58	13	3	3	55	8	54½						
		70	0	10	3	65	39	45-						
		15	5	14	10	14	24	34+						
		49	11	3	0	46	35	35						
		33	0	0	0	30	56	15						
		39	13	0	2	37	19	29+				29, 02	36½	33,0
		40	13	8	5	38	17	32½						
η 29.	Aldebaran. ☽ Lower L. 2 γ Orionis.	37	13	5	7	35	28	10				29, 88	35,0	30½
		37	7	1	11	35	6	15½	35	6	15			
		38	9	14	4	35	28	10						
☉ 30.	☽ Lower L. Hazy.	35	11	2	7	33	27	58½	33	27	57	29, 71	35,0	32,0
δ FEB. I.	☉ Upper L. ☉ Lower L. ☽ Upper L. Jupiter's Center.	72	10	9	0	68	7	8				29, 98	33,0	32,0
		73	3	12	9	68	39	35	68	39	33			
		34	8	12	11::	32	23	26½	32	23	25	30, 08	33½	26,0
		71	13	1	5	67	19	45½				30, 11	32,0	22,0
π 3.	☽ Lower L. α Hydrae. λ Leonis.	38	6	3	7	35	59	22+	35	59	21	29, 87	30,0	21,0
		59	3	13	5	55	32	14+						
		29	4	6	6	27	26	44						
☉ 6.	☽ Lower L. b } o } Virginis. r }	49	5	1	10	46	14	13	46	14	14	29, 36	40,0	42,0
		49	8	12	10	46	27	10½						
		44	2	4	0	41	22	54½						
		51	6	9	2	48	11	51+						
δ 7.	☉ Lower L. ☉ Upper L. ☽ Lower L. 29 } Virginis. 38 }	71	5	0	4	66	51	23				29, 28	42½	46½
		70	11	12	5	66	18	53½	66	18	55			
		53	15	0	5	50	34	4	50	34	3	29, 16	42½	45,0
		38	6	10	4	36	0	51½						
		57	4	3	6	53	41	4+						
δ 8.	☉ Upper L. ☉ Lower L. α Lyrae.	70	6	6	0	65	59	54				29, 22	43,0	47½
		70	15	9	8	66	32	20½	66	32	19			
		13	12	3	7	12	54	13-						
γ 9.	☉ Lower L. } Fluttered. ☉ Upper L. } τ Virginis. }	70	10	1	8	66	12	50½				29, 84	40,0	36,0
		70	0	13	6	65	40	27½						
		51	15	9	9	48	43	38½						
π 10.	☉ Upper L.	69	11	5	4	65	21	5				30, 02	40,0	43½
☉ 13.	☉ Lower L.	69	4	1	5::	64	55	37				30, 07	41,0	44,0
♀ 18.	☉ Upper L. ☉ Lower L.	66	12	12	3	62	37	22½				30, 21	44,0	47,0
		67	5	15	10	63	9	47+	63	9	45			
η 19.	☉ Lower L. H } " } μ } Geminorum. ν } γ } ε }	66	15	15	0::	62	48	32	62	48	30	30, 06	44½	48½
		30	1	10	0	28	13	13-						
		30	13	8	9	28	55	6½						
		30	12	8	1	28	51	27½						
		33	3	4	2	31	7	42½				30, 05	44,0	42,0
		37	3	6	3	34	53	10						
		27	13	13	12	26	7	30½						
☉ 20.	☉ Lower L. η } Geminorum. ν }	66	9	12	10½	62	26	57	62	26	55	30, 00	46	50
		30	13	8	11	28	55	8½						
		33	3	4	3½	31	7	44				29, 97	45,0	45,0
δ 22.	☉ Upper L. ☉ Lower L. μ } λ } Aurigae. φ } 116 Tauri.	65	4	3	6	61	11	4				30, 05	47,0	53,0
		65	13	6	11	61	43	27	61	43	26			
		14	3	1	4	13	18	20						
		12	6	5	0	11	37	11½						
		18	6	1	6	17	13	55-						
		38	3	6	3	35	49	25						

In FEBRUARY MDCCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
8	22.	<i>α</i> <i>Leporis.</i> <i>v</i> <i>Aurigæ.</i> H <i>η</i> <i>μ</i> <i>ν</i> <i>γ</i>	(<i>Propus.</i>)	74 13 30 30 30 33 37	1 4 1 13 12 3 3	5 1 10 8 8 4 6	7 6 2 10 1 3 4	69 12 28 28 28 31 34	27 25 13 55 51 7 53	14 38 15 7½ 27½ 43½ 11	30, 05	46,0	46,5	
8	23.	⊙ Lower L. ⊙ Upper L. D Lower L. 1 <i>Orionis.</i> 1 <i>Aurigæ.</i> 1 <i>Tauri.</i> 1 <i>y</i> <i>Orionis.</i> 105 <i>Tauri.</i> 22 { <i>Orionis.</i> e 118 <i>Tauri.</i> n { <i>Orionis.</i> λ 125 <i>Tauri.</i> d <i>Orionis.</i> 129 <i>Tauri.</i> n { <i>Orionis.</i> α H <i>Geminorum.</i> v <i>Orionis.</i> η <i>Geminorum.</i> l <i>Orionis.</i> μ <i>Geminorum.</i> 8 <i>Monocerotis.</i> v 20 { <i>Geminorum.</i> γ e Syrius.		65 64 45 47 19 32 38 33 55 63 28 51 44 27 62 38 65 47 30 39 30 44 30 49 33 35 27 72	7 13 1 15 15 4 13 7 9 5 9 7 11 11 2 4 13 1 10 2 13 3 12 13 5	2 15 9 2 7 10 13 3 3 0 15 1 10 10 8 8 3 6 14 13 10	8 2 8½ 2 2: 8 7 4 11 10 5 3 11 10 5 4 0 8½ 11 0 3½ 0 10	61 60 42 44 18 30 36 31 52 59 26 48 41 25 58 35 61 44 28 36 28 41 27 28 46 31 33 34 26 67	21 49 16 56 43 15 25 23 6 30 32 22 43 44 49 45 13 7 13 41 51 55 46 7 32 53 7 50	26 2 53 57½ 1+ 4½ 31 47 14 21+ 35½ 38+ 1+ 12 25 49 56 40½ 34 13- 41½ 6 29+ 26½ 9½ 43½ 16½ 10½ 31½ 36	29, 93 29, 86 29, 84	47,0 47½ 46,0	49,0 48,0 44½	
14	24.	⊙ Upper L. ⊙ Lower L.		64 65	7 0	10 14	9 3	60 60	26 59	57½ 22½	60 59 21	29, 71	47½	51½
8	25.	D Lower L. <i>Procyon.</i> l <i>Geminorum.</i> 14 <i>Canis minoris.</i> 13 <i>Navis.</i>		38 48 33 51 51	5 10 0 13 11	13 13 7 9 6	7 10 10 7 3	35 45 30 48 48	58 38 57 36 28	3 11- 57+ 33- 47½	35 58 1	29, 66 29, 75	48,0 47½	51,0 48,0
h	26.	⊙ Lower L. ⊙ Upper L. α <i>Aquilæ.</i>		64 63 46	4 10 1	2 15 9	7 2 5	60 59 43	14 42 13	37 14 4½	59 42 16½	29, 83	50½	47,0
o	27.	H <i>Geminorum.</i> (<i>Propus.</i>) D Lower L. v γ e		30 35 33 37 27	1 1 3 3 13	9 3 4 6 13	10½ 3 0 1 11	28 32 31 34 26	13 52 7 53 7	10 58½ 40½ 8 29½	32 52 57	30, 30	44,0	38½
D	28.	D Upper L.		34	5	11	10::	32	12	39½		30, 16	43,0	44,0
8	MAR. 1.	H { <i>Geminorum.</i> (<i>Propus.</i>) η l <i>Orionis.</i> μ <i>Geminorum.</i> 48 <i>Aurigæ.</i> v { <i>Geminorum.</i> γ 15 <i>Monocerotis.</i> e <i>Geminorum.</i> D Upper L.		30 30 44 30 22 33 37 44 27 35	1 13 3 12 3 3 3 2 13 2	9 8 8 8 15 4 6 0 13 10	12 9 10 0 0 3 2½ 5 12 0	28 28 41 28 20 31 34 41 26 32	13 55 27 51 51 7 44½ 53 22 7 57	11½ 6½ 28+ 26½ 20½ 43½ 9½ 7 30½ 58½		30, 23 30, 23	46,0 46,0	48,0 46½
8	2.	⊙ Upper L. ⊙ Lower L. H η μ v γ e		62 62 30 30 30 33 37 27	1 10 1 13 12 3 3 13	2 5 9 8 8 4 6 13	0 2 11 10 1 4 5 12	58 58 28 28 28 31 34 26	11 43 13 55 51 7 44½ 53 7 30½	27 47 10½ 7½ 27½ 44½ 11½ 30½	58 43 45	30, 25 30, 20	46½ 48,0	51,0 49,0

In MARCH MDCC LVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
8	2. D Upper L. 6 p { <i>Cancr.</i> x	36	15	1	5	34	38	2	34	38	1	30, 20	47,0	46,0
24	3 α <i>Lyrae.</i>	13	12	3	8	12	54	14-						
8	4. O Lower L. D Upper L.	61	13	3	8	57	57	44½	57	57	56	29, 79	43,0	43,0
		43	1	10	5	40	24	33	40	24	32	29, 86	41,0	32½
h	5. O Upper L. } Fluttered. O Lower L. } n { <i>Geminorum.</i> μ } D Upper L. 89 <i>Leonis.</i> ω { <i>Virginis.</i> v	60	13	7	4	57	2	18½				30, 05	40,0	35,0
		61	6	10	4	57	34	36½	57	34	35			
		30	13	8	9	28	55	6½						
		30	12	8	0	28	51	26½						
		47	3	10	1	44	16	30½	44	16	29	30, 15	38,0	30½
		50	3	1	0	47	3	16						
		44	12	9	2:	41	59	12						
		46	7	10	6	43	34	24½						
D	7. <i>Aldebaran.</i> H } n } μ } <i>Geminorum.</i> v } γ } ε } 2 d } <i>Virginis.</i> d } D Upper L. 62 <i>Virginis.</i>	37	13	5	5::	35	28	8						
		30	1	9	11	28	13	10½						
		30	13	8	7	28	51	24½						
		30	12	7	12	28	51	25½						
		33	3	4	1	31	7	41½				29, 88	38,0	34,0
		37	3	6	2	34	53	8½						
		27	13	13	10	26	7	28½						
		45	4	9	9	42	27	26½						
		49	13	10	9	46	44	18						
		56	10	11	9	53	7	43½	53	7	42	29, 92	37,0	32,0
		65	9	0	10	61	28	3½						
8	8. O Lower L. O Upper L.	60	2	12	7	56	24	47				29, 94	38,0	34½
		59	9	9	9	55	52	31	55	52	29½			
24	10. D Lower L. β <i>Leporis.</i> 11 } x } <i>Scorpii.</i> 17 }	70	12	8	5	66	21	31½	66	21	30	29, 70	36,0	29,0
		75	4	0	4	70	32	53-						
		67	11	15	10	63	30	53						
		64	14	11	1	60	51	39						
		66	13	1	6	62	38	31½						
8	11. O Upper L. O Lower L. D Lower L.	58	5	9	5	54	42	8				29, 85	37,0	36½
		58	14	12	0	55	14	21	55	14	20			
		74	0	11	4	69	24	59	69	24	58	29, 85	36,0	33,0
O	13. D Center. Estimated. <i>Aldebaran.</i> v } γ } <i>Geminorum.</i> ε } μ <i>Cancr.</i>	76	12	2	6::	71	57	43½	71	57	45	29, 51	43½	46,0
		37	13	6	0	35	28	16+						
		33	3	4	4	31	7	40½						
		37	3	6	5	34	53	12						
		27	13:			26	4	27,2						
		20	5	9	5::	19	4	38+						
8	16. O Lower L. O Upper L. H n μ v γ ε i <i>Canis majoris.</i> 51 <i>Geminorum.</i> 28 } <i>Canis majoris.</i> n 25 <i>Lyncis.</i> 5 <i>Cancr.</i> 28 <i>Lyncis.</i> 3rd wire.	56	13	2	10	53	16	18½				29, 44	41,0	43,0
		56	4	0	2	52	44	6	52	44	5			
		30	1	9	11	28	13	10½						
		30	13	8	8	28	55	5½						
		30	12	8	2	28	51	28½				29, 65	41,0	36,0
		33	3	4	2	31	7	42½						
		37	3	6	3	34	53	10						
		27	13	13	10½	26	7	29						
		72	11	14	12	68	11	57						
		37	3	15	8	34	55	13½						
		82	15	6	11	77	46	44+						
		85	9	5	8	80	15	7½						
		3	11	8	7	3	29	18-						
		36	10	7	9	34	21	50½						
		8	0	11	9	7	32	34						
8	18. O Upper L.	55	6	9	9::	51	56	58	51	56	57	30, 05	41½	47½
h	19. O Lower L. O Upper L.	55	8	15	8	52	5	18				29, 97	45,0	52,0
		54	15	13	6	51	33	11	51	33	12½			
O	20. O Upper L. O Lower L.	54	9	1	6	51	9	27½				29, 90	44,0	45,0
		55	2	3	9	51	41	35½	51	41	33			
8	22. O Lower L. O Upper L.	54	4	12	5	50	54	17				29, 80	46½	51,0
		53	11	10	1	50	22	8	50	22	7½			
24	24. O Upper L. O Lower L.	52	14	3	3	49	34	55½				29, 83	45,0	50,0
		53	7	5	5	50	7	2½	50	7	4			
8	25. D Lower L. α <i>Orionis.</i>	36	14	2	2::	34	34	41½	34	34	43			
		47	1	1	8	44	7	37						
h	26. O Lower L. O Upper L.	52	9	15	7	49	20	3				30, 11	44,0	45½
		52	0	13	5	48	47	56	48	47	54			

In APRIL MDCC LVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h 26.	Lower L. <i>Syrus.</i> <i>a Lyræ.</i> <i>a Aquilæ.</i> <i>a Cygni.</i>	35 72 13 46 7	4 5 12 1 8	10 13 4 9 7	3 10 2 7 0	33 67 12 43 7	5 50 54 13 3	3½ 36 21 6½ 25-	33 5 3			30, 07 29, 90	46, 0 44½	47, 0 45
o 27.	Upper L. Upper L.	51 34	10 2	3 9	3 11	48 32	24 1	37 41½	48 32	24 1	35½ 40	29, 80 29, 68	48, 0 49, 0	54½ 52½
o 28.	Lower L. Upper L.	51 34	12 9	10 3	3 1	48 32	33 24	11 49	48 32	33 24	9 47½	29, 50 29, 51	48½ 48½	54½ 49
δ 29.	Upper L. <i>δ Cancri.</i> <i>ρ Hydræ.</i> <i>21 } Cancri.</i> <i>1 a }</i>	35 34 47 21 41	15 9 11 5 8	9 10 10 3 6	5 3 5 0 1	33 32 44 19 38	43 26 44 59 55	32½ 23+ 42 29+ 42½	33 43 32			29, 54	46, 0	44, 0
u 31.	Upper L. Lower L.	49 50	15 8	10 12	9 7	46 47	51 23	20 22½		47	23 21	29, 60	48, 0	52, 0
♀ APRIL 1.	Lower L.	50	2	3	11	47	0	22+	47	0	20	29, 03	49½	53½
h 2.	<i>a Aquilæ.</i> <i>a Cygni.</i>	46 8	1 0	9 7	5 0	43 7	13 31	4½ 32+				29, 65	42½	38½
o 3.	Upper L. <i>9 } Virginis.</i> <i>σ }</i> <i>Spica Virginis.</i>	54 59 47 65	11 6 10 6	11 7 15 12	10 2 10 5	51 55 44 61	18 41 42 20	45+ 25 22 4-	51 51	18 0	44	29, 83	38, 0	48, 0
o 4.	Lower L. Upper L. <i>p } Virginis.</i> <i>92 }</i> <i>τ }</i>	48 59 55 52 51	14 11 3 7 15	10 14 4 13 10	1 4 8½ 10 2	45 56 51 49 48	51 0 45 12 43	26 34 19 38 43	45 56	51 0	24 35	30, 11 30, 24	44, 0 44, 0	47, 0 37½
δ 5.	Upper L. Upper L. <i>μ Virginis.</i> <i>a Libræ. Hazy.</i>	47 64 59 70	15 10 12 14	1 1 7 3	6: 3 0 0	44 60 56 66	56 35 2 27	48 25½ 28½ 22½	60 35 24			30, 28 30, 28	46, 0 44, 0	53, 0 40½
δ 6.	Lower L. Upper L. Upper L. Hazy.	48 47 69	1 8 1	12 10 0	0 5 8::	45 44 64	6 34 44	9 9+ 54	44 44	34 8		30, 20 30, 20	46, 0 46, 0	55½ 45, 0
♀ 8.	Upper L. Lower L.	46 47	11 4	14 15	0 8	43 44	49 21	15 14½	44 44	21 13		30, 18	51, 0	57, 0
h 9.	Lower L. Upper L.	46 46	14 5	10 8	3 8	43 43	58 26	58 58	43 43	26 57		30, 00	53, 0	58½
o 11.	Upper L.	45	8	15	7:	42	42	47				29, 18	45, 0	48½
δ 12.	Upper L.	71	14	14	4:	67	26	6½	67	26	5	29, 09	44, 0	42½
δ 13.	Lower L. Upper L.	45 44	50 12	10 9	7 2	42 41	31 59	8½ 12	41 41	59 59	13½	29, 15	45, 0	49, 0
u 14.	Upper L.	44	6	6	6	41	37	30½				29, 27	46, 0	48, 0
♀ 15.	Lower L. Upper L.	44 44	9 0	6 5	7 4	41 41	48 16	4½ 10	41 41	16 9		29, 59	46, 0	49½
o 18.	Upper L. Lower L.	42 43	14 7	5 6	12 11	40 40	13 44	1 51½	40 40	44 50		29, 74	49, 0	57, 0
δ 19.	Lower L. Upper L.	43 42	1 8	8 8	7 1	40 39	24 52	8 14	39 39	52 12		29, 65	62½	51, 0
o 20.	Upper L.	42	2	8	0	39	31	17+				29, 64	52½	57½
h 23.	Lower L.	41	10	7	5	39	3	1½	39	3	0	29, 70	46, 0	46½
δ 26.	Upper L. Upper L. <i>Regulus.</i> <i>45 } Leonis.</i> <i>i }</i> <i>48 }</i> <i>49 }</i>	40 36 40 43 38 46 36	0 15 14 2 7 2 5	11 13 0 13 15 7 11	9 3 11 3 7 2 5	37 34 38 40 40 36 34	32 40 19 28 5 16 5	34 38+ 24 41+ 31+ 6 4½	34 40 37			29, 86 29, 82	50, 0 52½	56, 0 56, 0
δ 27.	Upper L. <i>Regulus.</i> <i>μ Hydræ.</i> <i>1 b } Hydræ et Crateris.</i> <i>2 b }</i> <i>c Leonis.</i> <i>53 Leonis minoris.</i> <i>81 Leonis.</i>	39 40 71 71 73 47 27 35	13 14 8 15 0 0 3 14	0 0 3 6 15 0 3 12	0 11 12 11 3 4 11 9	37 38 67 67 68 44 25 33	19 19 2 27 29 3 30 40	27 24 44 59+ 36- 49 8½ 45+	37 37	19 19	24 24	29, 90	55, 0	56, 0

In MAY MDCC LVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
27.	86 Leonis.	33	13	6	7	31	43	23+						
28.	Regulus.	40	14	0	12	38	19	25						
	Upper L.	43	6	8	0	40	41	36	40	41	34	29, 96	55,0	56,0
	65	45	10	13	2	42	49	18-						
	65	51	6	8	0	48	11	36						
	65	31	9	8	2	29	37	11						
	65	57	5	15	5	53	47	12½						
	65	47	0	12	4	44	6	27+						
	65	42	3	14	0	39	36	7½						
	65	49	15	3	1	46	49	39½						
	65	56	6	12	6	52	53	50-						
	65	33	13	6	10	31	43	26+						
	65	35	8	13	10	33	19	54-						
	65	54	5	7	5	50	56	42						
	65	44	12	9	5	41	59	15				29, 96	55,0	54,0
	65	19	9	11	11	18	22	59½						
	65	89	7	14	4	83	54	0						
	65	44	6	5	2	41	37	13½						
	65	70	12	9	10	66	21	50	66	21	49	29, 96	53,0	50,0
29.	Upper L.	47	10	5	7	44	40	7+	44	40	8	29, 86	57,0	59,0
	Virginis.	44	10	6	1	41	51	29½						
	Leonis.	37	14	8	7	35	32	20½						
	Virginis.	51	8	13	3	48	19	47						
	Jupiter's Center.	70	12	0	0	66	19	41				29, 86	55,0	53,0
30.	Lower L.	39	4	7	6	36	49	27				29, 71	57½	66,0
	Upper L.	52	6	0	6	49	6	11½	49	6	10	29, 64	58,0	57,0
	Comæ Beren.	27	4	3	0	25	33	28+						
	Virginis.	63	8	8	6	59	33	44						
	Virginis.	61	15	11	11	58	6	35						
MAY 1.	Upper L.	57	6	7	0	53	48	53	53	48	52	29, 71	55,0	52,0
	Virginis.	60	3	6	5	56	26	57						
	Virginis.	59	5	0	1	55	36	20½						
	Jupiter's Center.	70	10	11	12	66	15	16½	66	15	18	29, 72	54,0	50,0
2.	Upper L.	38	1	2	6	35	41	33+				29, 82	56,0	58½
	Lower L.	38	10	3	6	36	13	25	36	13	23			
	Upper L.	62	7	12	0::	58	34	45				29, 96	55,0	51,0
3.	Lower L.	38	5	3	0	35	55	44				30, 12	55,0	57,0
	Upper L.	37	12	2	0	35	23	52½						
	Upper L.	67	4	8	2	63	4	36+	35	23	50			
	Librae.	63	14	10	0	59	55	10	63	4	35	30, 18	54½	48½
	Librae.	73	4	6	0	68	41	38						
	Librae.	64	15	0	5	62	52	49						
4.	Jupiter's Center.	70	8	13	10	66	8	39	66	8	37½	30, 10	43,0	44½
6.	Upper L.	76	8	2	0	71	43	34	71	43	32	29, 89	50,0	40,0
7.	Aquila.	63	13	4	5	59	50	25						
	Lyræ.	13	12	3	8	12	54	14-						
8.	Arcturus.	33	1	3	10	31	00	35½						
	Virginis.	60	3	11	0	56	27	58						
	Jupiter's Center.	70	6	6	1	65	59	57½	65	59	55	28, 0	49,0	43,0
	Librae.	74	15	8	11	70	17	10½						
	Librae.	72	13	5	3	68	16	51						
	Upper L.	75	11	0	6	70	57	31+	70	57	30	29, 80	48,0	39½
9.	Upper L.	35	15	10	0	33	43	41				29, 78	51,0	56½
	Lower L.	36	8	10	12	34	15	31	34	15	29			
10.	Upper L. Hazy.	69	8	7	8:	65	11	3	65	11	1½	29, 67	51½	50,0
12.	Lower L.	35	11	8	1	33	29	12				29, 79	56,0	61½
	Upper L.	35	2	7	8	32	57	27	32	57	25			
13.	Jupiter's Center.	70	3	5	4	65	49	12½				29, 60	54,0	52,0
14.	Upper L.	34	10	2	6:	32	28	11½				29, 63	56,0	60,0
	Jupiter's Center.	70	2	11	10	65	47	7				29, 71	54,0	52
17.	Upper L.	33	14	4	10	31	46	31				29, 62	53½	57,0
	Lower L.	34	7	5	0	32	18	12½	32	18	11			
19.	Lower L.	33	15	14	4	31	52	7½				29, 97	58,0	63½
	Upper L.	33	6	13	12	31	20	24	31	20	23			
	Jupiter's Center.	69	15	13	5	65	36	55½	65	36	53	30, 02	57,0	55,0
20.	Upper L.	33	3	4	10	31	7	50½				30, 01	58,0	65+
	Lower L.	33	12	4	11	31	39	30	31	39	32			
	Jupiter's Center.	69	15	4	3	65	34	55-	65	34	54	29, 92	56,0	53½

In JUNE MDCCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.			By the exterior Divif. reduced.			By the interior Divisions.				Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h 21.	☉ Lower L. ☉ Upper L.	33	8	13	4	31	27	18+				29, 86	58,0	62½
☉ 22.	Jupiter's Center.	69	14	2	3	65	30	57½	65	30	55	30, 04	57,0	53,0
h 25.	☉ Upper L. Jupiter's Center.	32	2	15	5	30	10	24½				29, 88	53,0	57½
		69	12	8	10	65	25	21½	65	25	23	29, 89	53½	52
h 27.	☉ Lower L. ☉ Upper L. Capella. Jupiter's Center.	32	6	1	0	30	21	18				30, 05	53½	54½
		31	13	1	0	29	49	40	29	49	39			
		6	2	4	4	5	45	28,6						
		69	11	8	7	65	21	48	65	21	46	29, 95	53,0	47½
h 28.	☉ Upper L. ☉ Lower L.	31	10	4	12	29	39	59				29, 76	54½	63
		32	3	4	11	30	11	36½	30	11	34			
☉ 29.	☉ Upper L. p } 92 } Virginis. τ } 95 } Arcturus. Jupiter's Center.	59	14	6	10	56	9	27	56	9	25	29, 73	55,0	56,0
		55	3	4	10	51	45	20½						
		52	7	13	9	49	12	37						
		51	15	10	2	48	43	43						
		63	9	1	3	59	35	39½						
		33	1	3	8	31	0	33½						
		69	10	9	0	65	18	23	65	18	21	29, 74	54½	54,0
h JUNE 1.	Jupiter's Center. 11 Libræ. ☉ Upper L. 19 } ε } Ophiuchi. σ }	69	9	3	0	65	13	33				29, 75	53,0	51,0
		56	4	2	0::	52	44	30						
		73	4	14	8	68	43	31+	68	43	30	29, 77	53,0	48,0
		52	3	2	9	48	56	8						
		77	1	1	12	72	15	11						
		50	9	9	11:	47	26	18,1						
h 2.	Jupiter's Center. ☉ Upper L. ν Ophiuchi. ζ Serpentis. p Ophiuchi.	69	8	12	0	65	12	0½				29, 98	54½	54,0
		75	15	0	12	71	11	41	71	11	39	29, 97	53½	49½
		65	3	14	8	61	10	0½						
		58	12	7	6	55	6	19½						
		52	2	3	4	48	52	45½						
h 3.	2 Sagittarii. c Serpentis. ☉ Upper L. g } λ } Aquilæ. 18 }	76	14	0	10	72	4	23						
		57	2	5	8	53	34	31-						
		77	1	0	0	72	14	46	72	14	44	29, 91	53½	49,0
		78	6	4	8	73	29	36½						
		60	7	4	7	56	40	36+						
		43	7	6	7	40	44	47½						
h 4.	Jupiter's Center.	69	7	14	8::	65	9	4				29, 92	52½	48,0
h 7.	☉ Lower L. Jupiter's Center.	30	4	10	6::	28	23	51				30, 0	56,0	54,0
		69	5	11	8	65	1	18-	65	1	20			
h 11.	☉ Upper L. ☉ Lower L. Jupiter's Center.	29	15	1	8	28	4	20+				30, 00	63,0	57
		30	8	1	6	28	35	56½	28	35	54			
		69	5	6	11	65	0	20-				30, 04	59½	60½
☉ 12.	☉ Lower L. ☉ Upper L.	30	7	0	0	28	32	6½				30, 12	60,0	69,0
		29	14	0	6	28	0	34	28	0	32			
h 13.	☉ Upper L. ☉ Lower L.	29	13	0	12	27	57	9+				30, 11	60½	67½
		30	6	0	5	28	28	40½	28	28	38			
h 14.	☉ Lower L. ☉ Upper L.	30	5	2	7	28	25	38				30, 08	62	68
		29	12	3	1	27	54	7	27	54	5			
h 15.	☉ Upper L. ☉ Lower L. Jupiter's Center.	29	11	7	0	27	51	27½				30, 08	60	60
		30	4	6	5	28	22	58	28	22	59			
		69	4	4	11	64	56	22½				30, 05	60	53
h 16.	Jupiter's Center.	69	4	1	0	64	55	32				29, 92	59	56
h 17.	☉ Lower L. A little hazy. ☉ Upper L.	30	3	4	2	28	18	57½				29, 88	59	64
		29	10	4	6	27	47	23	27	47	21½			
h 22.	☉ Upper L. ☉ Lower L.	29	8	8	0	27	44	39				30, 00	64	73½
		30	2	7	7	28	16	11	28	16	12			
h 23.	☉ Upper L.	47	15	9	7	44	58	34½	44	58	34	29, 98	66	74½
h 24.	☉ Upper L. α Coronæ Borealis. λ Libræ. α } β } Serpentis. μ }	52	9	10	6	49	18	56+	49	18	55	30, 09	63	63½
		25	8	4	1	23	55	16+						
		74	15	4	0	70	18	18½						
		47	3	4	4	44	15	14½						
		37	9	14	0	35	15	58				31, 02	62	56½
		57	11	11	4	54	7	24+						
h 25.	☉ Lower L. ☉ Upper L. ☉ Upper L. 45 Serpentis. 9 Herculis.	30	3	6	5	28	19	27				30, 08	64	70
		29	10	7	0	27	47	56½						
		57	7	13	5	53	53	48	53	53	47	30, 07	65	67½
		43	10	1	0	40	54	7½						
		36	0	1	2	33	45	15+						

In JULY MDCCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
h 25.	48 <i>Serpentis</i> . 12 <i>Herculis</i> . σ <i>Coronæ Borealis</i> . <i>Antares</i> . <i>Saturn's Center</i> .	36	6	14	0	34	9	10+				30, 08	62	57½
		45	13	5	12	42	58	3				30, 04	60½	50½
		59	3	12	6	55	32	2						
		82	6	13	10	77	16	37						
		71	4	14	9	66	51	2+	66	51	5			
⊙ 26.	⊙ Upper L. ⊙ Lower L. D Upper L.	29	10	15	7	27	49	49				30, 02	63	67½
		30	3	15	0	28	21	20½	28	21	18			
		62	6	14	6	58	31	46	58	31	47½	29, 97	64	63
D 27.	⊙ Lower L. ⊙ Upper L. D Upper L.	30	4	9	10	28	23	42½				29, 83	64	69½
		29	11	10	9	27	52	16	27	52	18			
		67	2	13	11	62	58	49+	62	58	46½	29, 80	65	62
δ 28.	⊙ Upper L. ⊙ Lower L.	29	12	6	8	27	54	53½				29, 72	62	63
		30	5	5	11	28	26	21½	28	26	19			
u 30.	⊙ Lower L. ⊙ Upper L. <i>Jupiter's Center</i> .	30	7	4	1	28	33	1+				29, 80	62	67
		29	14	5	0	28	1	34	28	1	33	29, 80	63	66
		69	2	5	4	64	49	27	64	49	26			
h JULY 2.	D Upper L. 70 <i>Aquila</i> . δ <i>Delphini</i> . <i>Saturn's Center</i> .	75	11	10	0	70	59	37	70	59	36	29, 87	59½	52½
		58	5	9	5	54	42	8+						
		39	11	10	5	37	14	42						
		71	6	14	3	66	57	58	66	57	56	29, 88	58½	51½
⊙ 3.	⊙ Upper L.	30	2	0	9	28	14	41						
δ 5.	⊙ Lower L. ⊙ Upper L. D Upper L.	30	14	1	0	28	56	56+				30, 08	66	75
		30	5	1	8	28	25	26	28	25	28			
		63	15	14	6	59	59	39½	59	59	38	30, 04	62	59
ξ 6.	⊙ Upper L. ⊙ Lower L.	30	6	12	6	28	31	20				30, 02	66	76
		30	15	12	0	29	2	52	29	2	51			
u 7.	⊙ Lower L. D Upper L.	31	1	9	5	29	9	19½				30, 15	64	58½
		53	10	11	5	50	18	54	50	18	52			
h 9.	⊙ Upper L. ⊙ Lower L. <i>Arcturus</i> . D Upper L.	30	12	8	10	28	51	36½				30, 13	66	75
		31	5	8	2	29	23	7+	29	23	5			
		33	1	3	6	31	0	31½				30, 09	69	70½
		44	4	0	2	41	29	5½	41	29	4	30, 08	66	67½
⊙ 10.	⊙ Lower L. ⊙ Upper L.	31	7	10	6	29	30	39½				30, 07	69	79
		30	14	11	1	28	59	9	28	59	8			
δ 12.	⊙ Upper L. ⊙ Lower L. D Center. Estimated.	31	3	4	6	29	15	16½				30, 12	70	79½
		31	12	4	0	29	46	49	29	46	47			
		35	5	9	0	33	8	18+	33	8	20	29, 92	70	77
ξ 13.	⊙ Lower L. ⊙ Upper L. <i>Jupiter's Center</i> . Hazy.	31	14	11	6	29	55	29				29, 88	70	80
		31	5	11	11	29	23	55½	29	23	58			
		69	3	9	4	64	53	50½				29, 80	73	77
u 14.	⊙ Upper L. ⊙ Lower L.	31	8	4	12	29	32	57				29, 66	73	83
		32	1	4	9	30	4	30½	30	4	28	29, 95	69½	73½
⊙ 17.	⊙ Lower L. ⊙ Upper L.	32	9	9	10	30	33	47				29, 81	69	76
		32	0	10	1	30	2	13-	30	2	11			
δ 19.	⊙ Upper L. <i>Capella</i> . <i>Syrus</i> .	32	6	11	3	30	23	33½	30	23	31	29, 74	69	77
		6	2	4	7	5	45	31½				29, 70	68½	76½
		72	5	13	5	67	50	31						
ξ 20.	⊙ Upper L.	32	9	14	5	30	34	48				29, 69	70	80
u 21.	⊙ Lower L. ⊙ Upper L.	33	6	2	4	31	17	51				29, 52	68	71
		32	13	2	9	30	46	17½	30	46	15			
h 23.	⊙ Upper L. ⊙ Lower L.	33	4	0	3	31	10	22				29, 72	65	69
		33	13	0	0	31	41	57	31	41	59-			
⊙ 24.	D Upper L.	65	2	5	7	61	4	30-	61	4	28	29, 88	67	73
D 25.	⊙ Upper L. ⊙ Lower L.	33	11	3	10	31	35	45				29, 94	65	71
		34	4	3	8	32	7	21	32	7	22			
δ 26.	⊙ Lower L. ⊙ Upper L. D Upper L. n } <i>Ophiuchi</i> . last wire. 43 } 45 } λ <i>Scorpii</i> . last wire. 2 <i>Sagittarii</i> . d <i>Ophiuchi</i> . b } γ } <i>Sagittarii</i> . δ }	34	8	0	1	32	20	38½				29, 85	67	75
		33	15	0	4	31	49	3	31	49	04	29, 81	69	70½
		73	3	1	0	68	37	1	68	36	59			
		71	4	12	2	66	50	29						
		84	9	0	3	79	16	41½						
		86	6	7	0	81	0	8						
		93	15	1	4	88	4	16+						
		78	0	11	11	73	10	6						
		77	13	4	6	72	57	56						
		80	3	2	6	75	11	5+				29, 82	68	67
		87	3	9	2	81	46	18+						
		86	11	3	3	81	16	53						

In AUGUST MDCC LVII.														
DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
δ 26.	ε } Sagittarii. λ } 24 } α Lyræ. σ } 1 ξ } Sagittarii. ζ }	91	7	11	5	85	45	51½						
		82	1	1	6	76	56	20						
		80	10	4	6½	75	36	8½						
		13	12	2	0	12	53	52½						
		83	2	12	6	77	58	31						
		77	3	3	1	72	22	28½						
		87	0	3	1	81	34	25½				29, 82	66	64
♀ 27.	⊙ Upper L. ⊙ Lower L.	34	2	13	7	32	2	30+				29, 74	68	76½
		34	11	13	7	32	34	8+	32	34	9			
♄ 28.	⊙ Lower L. ⊙ Upper L. ♄ Upper L. 1 ν } Sagittarii. 1 ξ } i } λ } Aquilæ.	34	15	12	7	32	47	59+				29, 72	65½	71
		34	6	12	9	32	16	23-	32	16	25			
		77	0	14	5	72	14	24½	72	14	26	29, 69	65	61
		79	6	6	3	74	26	12½						
		77	3	3	2	72	22	29½						
		61	5	7	11	57	30	33						
		60	7	4	3	56	40	32+						
♂ 30.	♄ Upper L.	74	8	12	6	69	53	21½	69	53	20	29, 64	64	60½
⊙ 31.	⊙ Upper L. ⊙ Lower L. 19 } Capricorni. b } β Aquarii. ε Capricorni. Saturn's Center. ♄ Upper L.	35	3	2	2	32	59	46				29, 62	65	70½
		35	12	2	2	33	31	24½	33	31	23			
		74	15	1	2	70	15	29+	70	15	30	29, 60	65	62
		79	3	8	3	74	16	6+						
		61	15	2	3	58	4	28½						
		76	12	3	5	71	57	56+						
		72	1	12	11	67	36	20	67	36	18			
		71	0	1	6	66	34	4	66	34	2	29, 59	64	61
♄ AUG. 1.	⊙ Lower L. Hazy. ♄ Upper L. Hazy.	36	0	7	0::	33	46	32+				29, 58	65	71
		66	6	8	9:	62	15	30	62	15	29	29, 54	63	59
δ 2.	⊙ Upper L. ⊙ Lower L. ♄ Upper L.	35	11	12	9	33	30	12				29, 54	64	67½
		36	4	12	8	34	1	50	34	1	50			
		61	3	7	6	57	23	26	57	23	24½	29, 57	61½	57
♄ 4.	⊙ Lower L. ⊙ Upper L.	36	13	12	2	34	33	22+				29, 63	64½	69½
		36	4	12	4	34	1	46	34	1	47½			
♀ 5.	⊙ Upper L. ⊙ Lower L.	36	9	6	2:	34	17	59½				29, 80	65	71½
		37	2	6	2	34	49	38	34	49	37			
♂ 6.	♄ Upper L. Aldebaran. Capella.	41	10	10	2	39	3	38+	39	3	38-	29, 95	64½	64½
		37	13	5	4	35	28	7						
		6	2	4	6	5	45	30½				29, 97	65	68+
⊙ 7.	⊙ Lower L. ⊙ Upper L. Venus's Center. ♄ Upper L. Aldebaran.	37	11	13	7	35	22	53½				29, 99	67	76
		37	2	13	9	34	51	17+	34	51	15			
		41	10	15	2	39	4	44				29, 99	68	78½
		38	4	1	1	35	51	48	35	51	46	30, 08	66	66
		37	13	5	5	35	28	8						
	I put this Clock 1' forward.													
	Rigel. near the last wire.	63	15	2	11	59	57	6½						
♄ 8.	⊙ Upper L. ⊙ Lower L. Venus's Center. Arcturus. Saturn's Center. ♄ Capricorni. Syrius.	37	7	11	1	35	8	17½				30, 06	68½	79+
		38	0	11	3	35	39	58	35	39	57			
		42	2	9	4	39	31	34½	39	31	32	30, 06	69	79+
		33	1	3	6	31	0	31½				30, 05	70	78
		72	5	2	7	67	48	8	67	48	6½	30, 07	67	63
		73	3	10	0	68	38	59½						
		72	5	13	0	67	50	26				30, 03	66½	67½
δ 9.	⊙ Lower L. ⊙ Upper L. Venus's Center. Arcturus. α Ophiuchi. b } Nebulous. γ } Sagittarii. δ } ε } α Lyræ. α Aquilæ. Saturn's Center. ♄ Capricorni.	38	5	9	8	35	57	11+				29, 98	68	73-
		37	12	9	6	35	25	31	35	25	30			
		42	10	4	10	39	58	42	39	58	40	30, 03	68+	74
		33	1	3	5	31	0	30½				29, 94	69½	73
		41	4	9	2	38	42	19½						
		80	3	2	9	75	11	8+						
		87	3	9	7	81	46	23½						
		86	11	3	5½	81	16	55½						
		91	7	11	10	85	45	56½				29, 92	68	65
		13	12	1	10	12	53	49½						
		46	1	8	5:	43	12	51½						
		72	5	9	3	67	49	36+				29, 90	67	60
		73	3	9	11	68	38	57½						
♀ 10.	⊙ Upper L. Hazy. ⊙ Lower L. α Aquilæ. 1st wire. α Cygni. Saturn's Center.	38	1	9	8	35	43	7½				29, 81	68	72½
		38	10	9	7	36	14	45	36	14	46			
		46	1	8	3	43	12	49½						
		7	8	4	9	7	2	54+				29, 79	67	64
		72	6	0	2	67	51	7½	67	51	6	29, 79	67	62½

In AUGUST MDCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.					
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.			
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.						
10.	♄ Capricorni.	73	3	10	0	68	38	59½									
11.	Saturn's Center.	72	6	6	8	67	52	32½	67	52	31	29, 88	64	55			
12.	α Aquilæ.	46	1	8	1	43	12	47½				30, 03	63	55			
	Saturn's Center.	72	6	13	1	67	53	58				30, 04	62	52			
	♄ Capricorni.	73	3	9	8	68	38	54½									
13.	☉ Upper L.	39	0	15	5	36	37	10—	37	8	47	30, 00	63+	66—			
	☉ Lower L.	39	9	15	7	37	8	48+									
	102 Herculis.	32	11	6	10	30	40	9,4									
	δ	86	11	3	2	81	16	2									
	ε	91	7	11	3	85	45	49½									
	λ	82	1	1	2	76	56	16									
	σ	83	2	12	4	77	58	29									
	ι ξ	77	10	14	3	72	49	32									
	ζ	87	0	3	2	81	34	26½									
	τ	77	10	9	11	72	48	34									
	Saturn's Center.	72	7	4	1½	67	55	31—									
	♄ Capricorni.	73	3	9	9½	68	38	56									
	Syrius. 1st wire.	72	5	12	9	67	50	22									
14.	Syrius.	72	5	12	11	67	50	24				29, 56	63+	68			
	Procyon.	48	10	13	6	45	38	7—									
	Pollux. Very faint.	24	6	8	7—	22	52	58—									
15.	☉ Lower L.	40	4	9	4	37	46	6+	37	14	28½	29, 51	65	73			
	☉ Upper L.	39	11	9	6:	37	14	30									
17.	☉ Upper L.	40	6	6	9	37	52	34—	38	24	12	29, 32	64	66			
	☉ Lower L.	40	15	6	11	38	24	14+									
18.	☉ Lower L.	41	4	15	0	38	43	36½	38	43	35	29, 43	64	66			
	Capella.	6	2	4	6	5	45	30½									
	Rigel.	63	15	2	7—	59	57	2				29, 47	60	56½			
19.	α Cygni.	7	8	4	8	7	2	53+				29, 32	60½	57½			
20.	α Cygni.	7	8	4	8	7	2	53+				29, 67	58	54			
21.	☉ Upper L.	41	12	12	5½	39	11	10	39	11	9	29, 63	59½	64½			
	Saturn's Center.	72	10	8	2	68	6	57—				68	6	55	29, 58	58	54
	♄ Capricorni.	73	3	9	10	68	38	56½									
	Aldebaran.	37	13	5	0	35	28	3							29, 64	56	51
22.	☉ Lower L.	42	11	9	0::	40	3	9									
25.	Arcturus.	33	1	3	6	31	0	31,5	72	47	34	29, 66	62	65			
	☉ Lower L.	77	10	5	6::	72	47	36+									
	Saturn's Center.	72	12	1	0	68	12	24½									
	♄ Capricorni.	73	3	9	9	68	38	55½									
	Aldebaran.	37	13	5	1	35	28	4									
	Rigel.	63	15	2	4½	59	57	0									
	α Orionis.	47	1	0	6	44	7	22									
	Syrius.	72	5	12	3	67	50	16									
	Procyon.	48	10	13	2	45	38	3—									
26.	α Orionis.	47	1	0	7½	44	7	23½				29, 52	58	56			
	Syrius.	72	5	12	5½	59	57	18½									
	Procyon.	48	10	13	3	45	38	4—									
	Pollux.	24	6	8	7½	22	52	58½				29, 53	58	59			
28.	☉ Upper L.	44	6	0	3	41	36	8½	42	7	56	29, 1	59½	62			
	☉ Lower L.	44	15	1	0	42	7	57									
	Saturn's Center.	72	13	3	3	68	16	24½									
	♄ Capricorni.	73	3	9	11	68	38	57½									
	♄ Aquarii.	64	8	2	1½	60	28	35½									
	☉ Lower L.	69	8	3	5	65	10	7									
	☉ Upper L.	68	14	10	2	64	36	27				64	36	26	29, 45	55½	52½
	ι τ	71	3	7	5	66	45	55									
	2 τ	70	11	9	6	66	18	15									
	δ	73	1	11	9	68	32	20									
	Rigel.	63	15	2	5	59	57	0½									
29.	☉ Lower L.	45	5	1	11	42	29	14	41	57	29	29, 49	57	62			
	☉ Upper L.	44	12	1	6	41	57	30½									
	☉ Upper L.	63	14	12	11	59	55	47				59	55	45	29, 42	55	52—
30.	♄ Ceti.	65	11	9	1	61	36	55	54	49	47	29, 59	54	48			
	☉ Upper L.	58	7	12	3	54	49	48—									
	15 } Ceti.	56	13	11	12	53	18	19,2									
	ι φ }	67	9	10	0	63	22	35+									
	Syrius.	72	5	12	2	67	50	15									
	Procyon.	48	10	13	2	45	38	3									

In SEPTEMBER MDCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
31.	Upper L. π <i>Pisium.</i> ϕ <i>Persei.</i> ξ <i>Pisium.</i>	53	0	2	3	49	41	44½	49	41	46	30, 01	55—	49
		43	4	6	8	40	34	16						
		50	5	10	12	47	12	28½						
		52	12	6	8½	49	28	39						
4 SEPT. 1.	Upper L. Lower L. <i>Venus's</i> Center. Upper L. Hazy.	45	14	9	8	43	2	34—				30, 13	50	57½
		46	7	9	10	43	34	15+	43	34	13			
		54	12	5	9	51	20	56+	51	20	55	30, 13	56½	59
		47	13	7	3	44	51	2½	44	51	2	30, 09	55	52
3.	<i>Saturn's</i> Center. Upper L.	72	15	5	1	68	23	51				30, 22	59	57
		39	6	8	7½	36	56	43½	36	56	42	30, 21	58	55
4.	Lower L. Upper L. <i>Procyon.</i>	47	10	6	6	44	40	19½				30, 23	59½	62½
		47	1	5	12	44	8	34	44	8	32			
		48	10	13	1	45	38	2—				30, 18	58	56½
6.	Upper L. Lower L.	47	14	1	0	44	53	11				30, 16	59	65
		48	7	1	11	45	25	1	45	25	0			
8.	Lower L. Upper L.	49	3	15	0	46	10	5½				29, 98	60	63½
		48	10	14	1	45	38	15	45	38	16			
10.	<i>Syrius.</i>	72	5	12	3	67	50	16				29, 99	57	51
11.	Upper L. Lower L.	49	14	5	1	46	46	35				30, 01	57	58
		50	7	6	2	47	18	27½	47	18	27			
12.	α <i>Lyræ.</i> ι } ξ } <i>Sagittarii.</i> τ } γ } α } <i>Aquilæ.</i> β } α <i>Cygni.</i>	13	12	1	5	12	53	44½				30, 12	60	59
		79	6	6	4	74	26	9½						
		87	0	3	3	81	34	27½						
		84	10	15	7	79	23	34						
		47	6	0	1	44	24	51½						
		46	1	7	10½	43	12	44—				30, 13	59	57+
		48	10	14	4	45	36	6+						
		7	8	4	1	7	2	46+						
13.	Lower L. Upper L.	51	4	7	7	48	4	28				30, 17	59—	62½
		50	11	6	6	47	32	35½	47	32	35			
14.	Upper L. Lower L.	51	1	15	12	47	55	45,5				30, 14	59½	63½
		51	11	0	12	48	27	37,5	48	27	35			
15.	Lower L. Upper L.	52	1	10	2	48	50	45—				30, 08	60	64
		51	8	9	0	48	18	51+	48	18	52½			
16.	Upper L. Lower L. <i>Venus's</i> Center. <i>Arcturus.</i> Hazy.	51	15	2	6	48	42	1				29, 98	61½	66½
		52	8	4	0	49	14	0	49	13	58	29, 97	63	69½
		62	15	9	9	59	2	21½						
		33	1	3	7	31	00	32½						
17.	Lower L. Upper L.	52	14	13	8	49	37	12½				29, 87	63	66½
		52	5	12	4	49	05	16	49	5	18			
18.	Upper L. Lower L. Upper L. Faint.	52	12	6	4	49	28	34				29, 87	62	64
		53	5	7	7	50	0	29	50	0	28			
		70	15	0	0:	66	30	14	66	30	12	29, 88	63	64
19.	Lower L. Upper L. <i>Venus's</i> Center. near last wire. Upper L. Faint.	53	12	1	9	50	23	48				30, 06	62	63
		53	3	0	6	49	51	53½	49	51	52			
		64	9	0	6	60	31	44½						
		74	3	3	0—	69	33	42	69	33	40	30, 09	63	65½
20.	Lower L. Upper L. Upper L. α <i>Lyræ.</i>	54	2	11	10½	50	47	7½				30, 16	62	63½
		53	9	10	7—	50	15	12—	50	15	14			
		76	6	2	4	71	36	36	71	36	35	30, 14	62	60½
		13	12	1	6	12	53	45½				30, 14	62	59½
21.	Lower L. Upper L.	54	9	6	6	51	10	33½				29, 95	61	61+
		54	0	5	0	50	38	36—	50	38	34			
23.	Upper L. Lower L. <i>Arcturus.</i> Lower L. δ <i>Capricorni.</i> γ <i>Aquarii.</i> <i>Saturn's</i> Center.	54	13	9	10	51	25	21—				30, 06	59½	57½
		55	6	11	9	51	57	24½	51	57	26			
		33	1	3	8	31	0	33,5				30, 07	59½	57½
		75	1	8	0	70	24	1½	70	24	0	30, 12	59	52
		74	4	0	10	69	36	44—						
		68	0	8	3	63	46	48½						
		73	4	13	3	68	43	13						
24.	Lower L. Upper L.	55	13	6	3	52	20	49+				30, 05	58	57
		55	4	4	7	51	48	48½	51	48	49			
25.	Upper L.	55	10	15	3:	52	12	15				29, 97	57	58
26.	Lower L.	61	13	4	7	57	57	57	57	57	56	29, 96	55,0	50,0
27.	Upper L.	56	8	4	11:	52	59	11+				30, 14	56	58½
28.	Lower L. Upper L.	57	8	0	7	53	54	29½				30, 30	53	54
		56	14	14	7	53	22	25—	53	22	24			

In OCTOBER MDCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
29.	☉ Upper L. ☉ Lower L.	57	5	9	1	53	45	49+	54	17	54½	30, 20	54	55+
30.	☿ Upper L. 32 Eridani. λ Tauri.	40	14	5	10	38	20	29	38	20	28	30, 04	52½	45+
		58	13	1	5	55	8	30						
		42	5	2	10	39	40	41						
Oct. 1.	☉ Lower L. ☉ Upper L.	58	11	15	5	55	4	33	54	32	28½	30, 09	52+	51-
		58	2	13	7	54	32	30+						
2.	☉ Upper L. ☉ Lower L. ☿ Upper L.	58	9	7	5	54	55	46-	55	27	55	30, 00	53	54
		59	2	9	8	55	27	53	55	27	55			
		35	0	2	1	32	49	12+	32	49	10	29, 94	49	39
3.	☉ Lower L. ☉ Upper L. ☿ Lower L. μ } Geminorum. ν } γ }	59	9	3	5	55	51	8	55	19	1	30, 00	51-	52-
		59	0	1	2	55	19	0+						
		34	3	1	3	32	3	19	32	3	21	30, 14	48	35
		30	12	7	10	28	51	23						
		33	3	3	10	31	7	37½						
		37	3	5	8	34	53	1½						
		27	13	13	11	26	7	29½						
	Syrius.	72	5	11	7	67	50	6½						
4.	☉ Upper L. ☉ Lower L. Arcturus. Venus's Center. δ } Geminorum. ε } ζ }	59	6	10	8	55	42	10½	56	14	24	30, 15	46½	49
		59	15	13	1	56	14	22+				30, 14	49½	47½
		33	1	3	9	31	0	34½	67	25	29			
		71	14	11	6	67	25	29				29, 91	48	42
		18	6	6	0	17	14	55-						
		40	8	9	3	38	0	9+						
		32	9	10	10	30	34	0+						
	☿ Lower L. Pollux.	33	14	12	2	31	48	8+	31	48	6	29, 91	48	42
		24	6	7	0:	22	52	38						
8.	☉ Lower L. ☉ Upper L.	61	10	1	0	57	46	37½	57	14	24	29, 37	51½	54
		61	0	14	3:	57	14	22½						
9.	☉ Upper L. ☉ Lower L.	61	7	6	9	57	37	19½	58	9	28	29, 59	50½	52½
		62	0	9	1	58	9	29½						
10.	☿ Geminorum.	18	6	6	0	17	14	54½						
11.	☉ Lower L. ☉ Upper L. Saturn's Center.	62	13	8	1	58	54	58½	58	22	46	29, 77	51	53+
		62	4	5	6	58	22	45½						
		73	7	3	4	68	51	35				29, 92	51	48+
12.	☉ Lower L. Very hazy.	63	3	15	0::	59	17	35½				30, 01	40	48½
14.	☉ Lower L. ☉ Upper L. Star 5th mag.	64	0	11	4	60	2	29	59	30	22	30, 18	50+	53½
		63	7	9	3:	59	30	23						
		21	5	8	7	20	0	42				30, 20	50-	47
17.	☉ Upper L. ☉ Lower L. α Aquilæ. α Cygni. Saturn's Center.	64	10	7	0	60	36	41½	61	8	52	30, 13	53½	54½
		65	3	9	7	61	8	53						
		46	1	7	9	43	12	42				30, 13	53	49-
		7	8	3	10	7	2	42						
		73	7	6	0	68	52	10½				30, 14	52	46½
18.	☉ Lower L. ☉ Upper L. Venus's Center. ☿ Lower L. Hazy. Star 5th mag. Procyon. Pollux.	65	9	13	0	61	30	45-	60	58	30	30, 25	49	47
		65	0	10	3	60	58	30-						
		77	6	10	8	72	44	40				30, 25	50	48
		77	15	2	5::	73	4	30½				30, 26	50	47½
		21	5	8	4	20	0	39+						
		48	10	13	0	45	38	1-				30, 31	48	40+
		24	6	8	9	22	53	0						
19.	☉ Upper L. ☉ Lower L. Arcturus. ☿ Lower L. f Sagittarii. α Aquilæ.	65	6	13	2	61	20	14	61	52	30	30, 32	49+	50+
		66	0	0	1	61	52	31						
		33	1	3	9	31	0	34½	72	56	0	30, 32	50-	50½
		77	12	11	10	72	56	1+				30, 33	50½	48-
		76	8	8	0	71	44	53						
		46	1	7	8	43	12	41+						
20.	☿ Lower L. α Cygni. 20 } Capricorni.	76	2	11	6	71	24	33	71	24	31	30, 24	50	49-
		8	0	3	8	7	30	47½						
		76	2	4	11	71	23	5½						
		77	0	9	3	72	13	16½						
21.	☉ Lower L. ☉ Upper L.	66	12	3	10	62	35	31-	62	3	15	30, 21	50-	50+
		66	3	1	0	62	3	16						
22.	Star 5th mag.	16	4	13	4	15	16	59						
23.	☉ Upper L. ☉ Lower L. ☿ Lower L. 19 } Piscium. 20 }	66	15	1	7	62	45	34	63	17	50	30, 08	50-	49½
		67	8	4	7	63	17	52						
		64	3	0	5	60	10	38-	60	10	36	29, 94	49	42½
		52	9	9	9	49	18	46						
		59	4	3	7	55	33	35+						

In NOVEMBER MDCCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divis. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
24.	☉ Lower L. ☉ Upper L. ☽ Lower L. 15 } Ceti. 1 φ	67	14	3	7	63	38	44½				29, 74	49	49—
		67	5	0	10	63	6	29½						
		58	13	0	7	55	8	19+	63	6	28			
		56	13	8	11:	53	17	38½	55	8	19	29, 78	47	41
		67	9	10	2	63	22	37+						
25.	☽ Lower L. μ } Piscium.	53	5	3	0	49	59	29				30, 10	47	44
		49	10	13	9	46	34	25—						
		50	5	10	8	47	12	24½						
26.	☉ Lower L. Hazy. ☉ Upper L.	68	9	15	4	64	20	0+				30, 22	47	50
		68	0	12	6	63	47	44+	63	47	42			
28.	☉ Upper L. ☉ Lower L. ☽ Upper L. 7 } Tauri. 71 } Aldebaran.	68	12	4	8	64	28	12				30, 13	50	55
		69	5	7	7	65	0	29	65	0	27			
		38	12	4	0	36	20	34	36	20	33	30, 33	47	37
		38	13	15	7	36	26	7						
		38	13	8	9	36	25	6½						
		37	13	4	10	35	28	0						
29.	☉ Lower L. ☉ Upper L.	69	11	2	3	65	20	23½				30, 34	46½	39½
		69	1	15	0	64	48	3½	64	48	3			
30.	☉ Upper L. ☉ Lower L. ☽ Upper L.	69	7	9	4::	65	7	54+				30, 06	48+	53+
		70	0	12	0::	65	40	8+	65	40	6			
		33	13	13	0	31	44	48½	31	44	47	30, 13	49	50½
31.	☽ Lower L. Hazy.	33	10	3	3:	31	32	7	31	32	5	30, 33	50+	50+
Nov. 1.	☽ Lower L. 28 Monocerotis. 8 } 2 μ } Cancri. ε }	33	15	11	4	31	51	28	31	51	26	30, 27	49	47
		55	10	12	4	52	11	36½						
		40	3	0	2	37	40	35—						
		31	2	7	0	29	12	19+						
		35	5	1	2½	33	6	35½						
2.	☉ Lower L. ☉ Upper L. α } Aquilæ. β } Saturn's Center.	71	1	2	9	66	37	51+				30, 30	50+	52
		70	7	15	9	66	5	33+	66	5	32			
		46	1	8	0	43	12	46½				30, 28	52	50½
		48	10	14	5	45	38	19				30, 28	51½	48½
		73	6	5	0	68	48	26½						
3.	Mars's Center. ☽ Lower L.	34	9	15	0	32	27	32	32	27	30	30, 00	50	49½
		37	11	7	0—	35	21	27	35	21	26	30, 00	50	49½
5.	☽ Lower L.	44	11	12:		41	56	21½	41	56	20	29, 00	50½	48½
6.	☉ Upper L.	71	12	15	5::	67	19	20				28, 91	50	50—
7.	☉ Lower L. ☉ Upper L. ☽ Center. Estimated.	72	11	2	9	68	9	15½				29, 38	48½	43½
		72	1	15	4	67	36	52½	67	36	51			
		53	11	3	2	50	20	37	50	20	36	29, 64	42	32
8.	☉ Upper L. ☉ Lower L. Venus's Center. Star c } Observed with the Star b } Comet Sept. 12. Star a } Star a with the Comet Sep. 13. γ } Geminorum. ε } Syrus. a with the Comet Sept. 17. Procyon. Pollux. With the Comet Sept. 19. f Sept. 23. b Sept. 24. c Sept. 24.	72	6	14	5	67	54	15				29, 96	43	36
		73	0	2	0	68	26	41½	68	26	40			
		81	14	0	6	76	45	34	76	45	33	29, 67	44	40½
		16	4	12	12	15	16	54						
		17	5	11	4	16	16	19—						
		17	4	7	10	16	12	1						
		17	15	12	3:	16	51	40+						
		37	3	6	0	34	53	7				29, 77	39½	31½
		27	13	13	12	26	7	30½						
		72	5	11	12	67	50	11,7						
		21	5	8	1	20	30	36+						
		48	10	12	12	45	37	59,6						
		24	6	8	9	22	53	0						
		24	13	12	9	23	18	29½						
		31	2	6	5	29	12	11				29, 76	39	30
		32	11	1	0	30	38	53½						
		33	13	11	9:	31	44	31						
9.	☉ Lower L. ☉ Upper L.	73	5	0	2	68	43	51½				29, 76	41+	40
		72	11	13	3	68	11	34½	68	11	32			
10.	☉ Upper L. ☉ Lower L. Venus's Center. f Sept. 23. Mars's Center. b Sept. 24.	73	0	10	0	68	28	27—				29, 39	49	51
		73	9	13	6	69	0	51—	69	0	52			
		82	0	6	0	76	53	49				29, 36	49½	51½
		31	2	6	8	29	12	14						
		35	4	15	3	33	6	9½				29, 00	46	44½
		32	11	1	2	30	38	55½						
11.	☉ Upper L. ☉ Lower L. Saturn's Center. Star a with the Comet Sep. 24.	73	5	5	4	68	14	59½				29, 02	47	48+
		73	14	9	0	69	17	26	69	17	26			
		73	4	12	1	68	42	58				29, 18	47—	43
		33	7	7	8::	31	22	32—				29, 34	44	37½

In NOVEMBER MDCCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♀ 11.	Star c.	33	14	0	0	31	45	28						
h 12.	☉ Lower L.	74	3	2	6	69	33	35				29, 48	44	40½
	☉ Upper L.	73	9	15	2	69	1	13	69	1	14			
☉ 13.	☉ Upper L.	73	14	7	10	69	17	10½				29, 37	42	40—
	☉ Lower L.	74	7	11	5	69	49	36½	69	49	38			
♂ 14.	☉ Lower L.	74	12	2	9	70	5	16½				29, 61	44	44½
	☉ Upper L.	74	2	15	1	69	32	50½	69	32	52			
	Saturn's Center.	73	4	1	0	68	40	32	68	40	31	29, 80	44	41½
♀ 16.	☉ Upper L.	74	11	9	3	70	3	13				29, 65	45+	47
	☉ Lower L.	75	4	13	0	70	35	40	70	35	41			
	☉ Lower L.	77	1	6	6½	72	16	11½	72	16	10	29, 65	47½	46½
	α Cygni.	7	8	3	11	7	2	43						
♂ 17.	☉ Upper L.	74	15	12	0	70	17	52				29, 70	44+	44
	☉ Lower L.	75	8	15	8	70	50	18	70	50	20—			
	♂ Lower L.	74	7	10	0	69	49	18½	69	49	20	29, 68	46—	42
	Saturn's Center.	73	3	5	0	68	37	53½				29, 68	46—	42
	♂ Capricorni.	76	2	5	4	71	23	12—						
	γ Pegasi.	49	15	14	8	46	52	11½						
h 19.	♂ Lower L.	66	0	10	9	64	54	51—	64	54	50	29, 27	51	54½
☉ 20.	2 Piscium.	59	8	13	3	55	49	47						
	♂ Lower L.	60	13	11	11	57	3	18	57	3	19	29, 36	48	44
	44 Piscium.	54	4	0	8	50	51	42—						
	12 } Ceti.	60	8	9	10:	56	45	16+						
	13 } Ceti.	60	2	4	6	56	23	0½						
	Mars's Center.	36	2	13	11—	33	55	4	33	55	3	29, 37	46	43
	37 Sextantis.	46	11	13	3	43	49	4½				29, 40	45	42
♂ 21.	☉ Lower L.	76	8	10	5½	71	45	25				29, 50	47	46—
	☉ Upper L.	75	15	6	9	71	12	57	71	12	56			
	♂ Lower L.	55	7	6	3—	51	59	43	51	59	42—	29, 40	47½	47½
	34 } Ceti.	58	10	10	5	54	59	56+						
	38 } Ceti.	57	5	0	10	53	43	59½						
♂ 22.	☉ Upper L.	76	3	1	8	71	25	53				29, 31	49½	53
	☉ Lower L.	76	12	5	6	71	58	23+	71	58	22			
	♂ Lower L.	50	2	5	4	47	0	42—	47	0	41	29, 25	50—	52
♂ 23.	♂ Lower L.	45	3	2	11—	42	22	25	42	22	23	29, 55	48½	47
♂ 24.	☉ Lower L.	77	3	5	0	72	22	53½				29	49	51
	☉ Upper L.	76	10	1	4	71	50	26½	71	50	28			
	♂ Lower L.	40	14	0	5½	38	19	18½	38	19	17	29, 75	48	44+
♀ 25.	☉ Upper L.	77	6	10	8	72	2	13+				29, 54	49½	53
	☉ Lower L.	76	13	6	12	72	34	40½	72	34	42			
h 26.	☉ Lower L.	77	9	14	7:	72	46	5	72	46	4	29, 42	50+	54+
	♂ Lower L. Hazy.	34	15	4	11:	32	46	18—	32	46	19	29, 26	50½	52½
☉ 27.	☉ Upper L.	77	3	12	4	72	24	30				29, 39	51½	53
	☉ Lower L.	77	13	0	2	72	56	59+	72	56	58			
	♂ Upper L.	33	1	8	9	31	1	40½	31	1	41	29, 38	50	47
	γ } Geminorum. Hazy.	37	3	6	2	34	53	9						
	ε } Geminorum. Hazy.	27	13	14	1	26	7	33—						
♂ 28.	☉ Lower L.	78	0	0	1	73	7	31				29, 27	51	53½
	Venus's Center.	80	15	5	2½	75	53	52½	75	53	52	29, 28	51+	51½
	α Aquilæ.	46	1	8	2	43	12	48½						
	Saturn's Center.	73	0	0	0	68	26	15				29, 28	50½	48½
	♂ Lower L.	33	7	10	9::	31	23	12½				29, 24	49½	47—
♂ DEC. 1.	☉ Lower L.	78	8	4	10	73	36	40+				29, 08	49	49
	☉ Upper L.	77	15	0	10—	73	4	9—	73	4	10			
h 3	☉ Upper L.	78	3	15	5	73	21	25½				29, 30	45	40
	☉ Lower L.	78	13	3	5	73	53	57—	73	59*	56			
	♂ Lower L.	44	11	10	10::	41	56	2				29, 55	40	31
☉ 4.	♂ Lower L.	51	8	10	1	48	19	5	48	19	4	29, 11	44½	46½
	Arcturus.	33	1	4	12	31	0	50½				29, 14	45	47½
♂ 5.	☉ Lower L.	79	1	11	4	74	9	45				29, 15	46	49½
	☉ Upper L.	78	8	7	2½	73	37	12+						
	α Aquilæ.	46	1	8	5	43	12	51½				29, 13	47	50
	Venus's Center.	79	7	4	9	74	29	23+	74	29	23	29, 13	47	50
	α Cygni.	7	8	4	0	7	2	45,2						
	♂ Lower L.	56	7	3	4	52	55	20	52	55	20	28, 98	46	46
	Arcturus.	33	1	5	0—	31	0	50				28, 98	46	46½
♂ 6.	☉ Upper L.	78	10	7	12	73	44	24—				28, 94	47½	51—
	☉ Lower L.	79	3	12	0	74	16	56	74	16	54			

In DECEMBER MDCC LVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
6.	<i>α</i> Aquilæ. Venus's Center. <i>α</i> Cygni. Aldebaran.	46	1	8	6	43	12	52½				28, 90	47½	49+
		79	3	2	1	74	14	45+				28, 90	47½	49+
		7	8	4	2	7	2	47+				28, 91	48	48
		37	13	5	0-	35	28	3-				28, 96	47	46½
7.	☉ Lower L. ☉ Upper L. <i>α</i> Lyra.	79	5	10	2	74	23	33½				29, 18	46	46-
		78	12	6	3	73	51	3+	73	51	3			
		13	12	2	3	12	53	55½				29, 21	46	46-
8.	☉ Lower L. ☉ Upper L.	79	7	8	6	74	30	13				29, 19	42	35
		78	14	4	6	73	57	42	73	57	41			
9.	Saturn's Center.	72	11	11	9	68	11	14+				29, 48	41	37½
10.	☉ Upper L. ☉ Lower L.	79	1	5	0	74	8	22				29, 94	41	42
		79	10	9	2+	74	40	55+	74	40	55			
11.	☉ Lower L. ☉ Upper L.	79	11	15	4	74	45	47				30, 16	39½	34+
		79	2	11	2	74	13	14	74	13	12			
13.	☉ Upper L. Hazy. ☉ Lower L.	79	5	2	0	74	21	46				30, 14	42-	41+
		79	14	6	0	74	54	17	74	54	16			
14.	☉ Center. Estimated. Hazy. Aldebaran. Rigel. <i>α</i> Orionis. 11 } Quadrant new adjusted. 11 } μ } ν } γ } ε } Syrius. Spica.	75	7	14	11::	70	46	37				30, 06	40+	38
		37	13	4	10	35	28	0				30, 0	40	38
		63	15	2	9	59	57	4½						
		47	1	0	8½	44	7	24½						
		30	1	9	8	28	13	7½						
		30	13	8	6½	28	55	4				29, 97	40+	38½
		30	12	8	0-	28	51	26+						
		33	3	4	1-	31	7	41+						
		37	3	6	0	34	53	7						
		27	13	14	0-	26	7	31½						
		72	5	12	9	67	50	22						
		65	6	12	7	61	20	6-				29, 88	40	38
15.	☉ Lower L. ☉ Upper L.	80	0	4	5	75	0	58-				29, 83	40½	40-
		79	7	0	2	74	28	23½	74	28	22			
17.	☉ Upper L. ☉ Lower L. ☉ Lower L. 29 } <i>Piscium</i> . 33 } γ <i>Pegasi</i> .	79	8	5	11	74	33	9				29, 78	38+	37
		80	1	10	0	75	5	43	75	5	42			
		62	10	10	6	58	44	57	58	44	54	29, 88	38½	35+
		59	8	13	1	55	49	45						
		62	6	10	2	58	30	49½						
		40	2	2	11	37	37	39+						
18.	☉ Lower L. ☉ Upper L. ☉ Lower L.	80	2	1	6	75	7	21				29, 95	38	36½
		79	8	13	4	74	34	48	74	34	46			
		57	4	8	6	53	42	10	53	42	8	29, 93	38-	34+
20.	☉ Upper L. ☉ Lower L.	79	9	6	2	74	36	44½				29, 97	38-	37
		80	2	10	4	75	9	17½	75	9	16			
23.	☉ Lower L. Rigel. 119 } <i>Tauri</i> . ζ } <i>α</i> Orionis.	35	12	2	2-	33	31	24	33	31	26	29, 47	39	40
		63	15	2	12	59	57	7½						
		35	4	8	7	33	4	41+						
		32	8	8	3	30	29	56						
		47	1	0	11	44	7	27						
24.	☉ Lower L. ☉ Upper L. <i>α</i> Lyra.	80	2	2	10	75	7	38				29, 48	40½	43½
		79	8	14	11	74	35	8	74	35	10			
		13	12	2	7	12	53	59½						
27.	φ <i>Pegasi</i> . 59 } <i>Piscium</i> . 20 } φ <i>Andromedæ</i> . 95 <i>Piscium</i> . 54 <i>Andromedæ</i> . 3 <i>Persei</i> . 15 <i>Arietis</i> . o <i>Ceti</i> . 66 <i>Andromedæ</i> . ν } <i>Arietis</i> . 36 } 24 <i>Persei</i> . 7 <i>Eridani</i> . 29 <i>Persei</i> . 11 <i>Tauri</i> . 1 <i>Pleiadum</i> . n <i>Persei</i> . 30 } <i>Eridani</i> . 36 }	35	14	15	7	33	41	23				29, 78	42	40
		35	6	14	0	33	12	55+						
		21	15	6	7	20	35	25+						
		5	14	6	0	5	31	47+						
		50	8	5	5	47	21	48½						
		2	2	6	8	2	0	59						
		3	11	2	5	3	27	56½						
		35	5	4	3	33	7	15½						
		59	3	15	6	55	32	41½						
		2	2	3	2	2	0	13½						
		32	9	11	2	30	34	5½						
		37	0	15	0	34	44	33-						
		17	6	11	10	16	19	55½						
		58	15	15	7	55	18	39						
		2	4	14	5	2	9	43+				29, 82	41	39
		28	11	13	5	26	56	36½						
		29	9	0	10	27	43	3½						
		20	6	11	11	19	8	41½						
		61	6	4	7	57	33	20½						
		29	14	11	10	28	3	3						

In DECEMBER MDCCLVII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
δ 27.	↓ <i>Tauri</i> . D Lower L. 2 α <i>Cancr.</i> Hazy.	24	11	0	6	23	8	46+				29, 89	40	35
♀ 28.	☉ Upper L. ☉ Lower L.	79	6	4	3	74	25	46½				29, 94	40	40+
		79	15	8	5	74	58	19½	74	58	18			

In JANUARY MDCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
☉ JAN. 2.	☉ Lower L.	59	1	1	7	55	22	36	55	22	35	28, 85	36½	42
♂ 4.	☉ Lower L.	69	5	14	8	65	2	2,3				29, 10	42	49+
	54 <i>Andromedæ</i> .	2	2	6	8	2	0	59						
	g } <i>Persei</i> . N.	2	0	4	4	1	53	26½						
	4 }	1	15	4	0	1	49	52-						
	h }	1	10	7	0	1	32	56½						
	63 } <i>Andromedæ</i> .	2	9	12	11	2	26	57½						
	64 }	2	12	0	1	2	34	42+						
	65 }	2	7	6	2	2	18	27½						
	9 }	3	8	2	0	3	17	19						
	τ } N. N. Quadrant.	0	4	12	0	0	16	42						
	γ } N. N. Quadrant.	1	2	2	6	1	3	49+						
	39 } <i>Persei</i> .	2	4	14	6	2	9	44+				29, 30	44-	44+
	α }	2	10	10	3	2	29	54+						
	34 }	3	0	4	5	2	49	42½						
	↓ }	4	6	2	9	4	6	41						
	δ }	4	12	8	11½	4	29	8						
♀ 6.	α <i>Lyræ</i> .	13	12	3	1	12	54	7-				29, 81	45½	48½
♂ 7.	☉ Upper L.	78	6	8	8	73	30	29,1				29, 82	46	49½
	<i>Aldebaran</i> .	37	13	5	0	35	28	3,1				29, 92	45½	45½
	<i>Capella</i> .	6	2	3	4	5	45	15½						
	<i>Rigel</i> .	63	15	3	3	59	57	11,6						
	α <i>Orionis</i> .	47	1	1	1	44	7	30,1						
	H }	30	1	9	10	28	13	9,6						
	η }	30	13	8	8-	28	55	5,7						
	μ } <i>Geminorum</i> .	30	12	8	1-	28	51	27,7						
	ν }	33	3	4	2	31	7	42,5				29, 92	46-	45
	γ }	37	3	6	3	34	53	9,9						
	ε }	27	13	14	0	26	7	31,8						
	<i>Syrus</i> .	72	5	13	4	67	50	30						
	α <i>Lyræ</i> .	13	12	3	1	12	54	7-				29, 91	45	46½
☉ 8.	☉ Lower L.	78	13	8	4	73	55	1½				29, 91	46	47½
	☉ Upper L.	78	4	4	0	73	22	26½	73	22	25			
	α <i>Aquilæ</i> .	46	1	8	7	43	12	53,4				29, 91	46	47½
	α <i>Cygni</i> .	7	8	4	10	7	2	55+						
	54 <i>Andromedæ</i> .	2	2	6	8+	2	0	59+						
	g } <i>Persei</i> . N.	2	0	4	2	1	53	24½						
	4 }	1	15	3	3	1	49	41½						
	h }	1	10	6	12	1	32	55½						
	63 } <i>Andromedæ</i> .	2	9	12	9	2	26	55½						
	64 }	2	12	0	1	2	34	42+						
	9 }	3	8	1	12	3	17	18						
	τ } N. N.	0	4	11	6	0	16	35						
	γ }	1	2	1	9	1	3	39						
	29 } <i>Persei</i> .	2	4	14	6	2	19	44						
	α }	2	10	10	1	2	29	52+				29, 90	45½	43
	34 }	3	0	4	4	2	49	41½						
	↓ }	4	6	2	7	4	6	39						

In JANUARY MDCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.				
15.	μ <i>Pifcium.</i> α <i>Lyræ.</i>	49	10	13	12	46	34	27,8				29, 81	39½	33
16.	Upper L. Lower L. 54 <i>Andromedæ.</i> g } <i>Persei.</i> N. 4 } h } Lower L. 65 <i>Andromedæ.</i> 2 ξ <i>Ceti.</i> 9 } 7 } N. 7 } N. 31 } <i>Persei.</i> a } 34 } Faint.	76	13	10	8	72	3	2				29, 81	40—	34+
		77	6	14	8	72	35	33+	72	35	32			
		2	2	6	6	2	0	57						
		2	0	4	1	1	53	23,7						
		3	11	2	5	3	27	56,7						
		1	10	6	10	1	32	53,5						
		48	8	2	9—	45	28	43—	45	28	41	29, 82	39½	32½
		2	7	6	1	2	18	26,7						
		47	0	10	5	44	6	1,8						
		3	8	1	10	3	17	16						
		0	4	11	7	0	16	36						
		1	2	2	0—	1	3	43—						
		2	7	0	6	2	17	12½						
		2	10	9	12	2	29	50+						
		3	0	4	0	2	49	37,7						
		4	6	2	5	4	6	37						
19.	Upper L. Lower L. <i>Aldebaran.</i> Lower L. <i>i Orionis.</i> <i>Capella.</i> <i>Rigel.</i> α <i>Lyræ.</i>	76	3	4	11	71	26	36½				29, 74	35	33+
		76	12	8	9	71	59	5½	71	59	4			
		37	13	4	10	35	27	59,9				29, 84	35	31½
		36	9	12	9	34	19	25½	34	19	24			
		46	3	0	7	43	18	9,8						
		6	2	3	1	5	45	12½						
		63	15	3	1	59	57	9,6						
		13	12	3	3	12	54	9—				29, 67	34	26½
20.	Lower L.	34	7	11	5:	32	19	31½	32	19	33	29, 94	33	25
21.	α <i>Lyræ.</i>	13	12	3	4	12	54	10—				29, 87	31	23½
22.	Lower L. Upper L. 7 <i>Draconis.</i> Faint. N. α <i>Lyræ.</i> α <i>Aquilæ.</i>	76	1	3	2	71	19	12½				29, 82	31	26+
		75	7	15	0	70	46	39+	70	46	38			
		0	0	13	0	0	2	51½						
		13	13	3	4	12	54	10				29, 83	33	34
		46	1	8	9	43	12	55,4						
23.	Upper L. Lower L. α <i>Cygni.</i> <i>Venus's Center.</i>	75	3	15	7	70	32	42½				29, 84	34	37+
		75	13	3	9	71	5	15½	71	5	18—			
		7	8	5	0	7	2	58½						
		58	4	0	0:	54	36	33,8				29, 86	34½	37½
26.	Lower L. Hazy.	43	9	11	8:	40	52	56½	40	52	55	30, 22	36	33½
30.	Lower L. α <i>Virginis.</i> <i>Arcturus.</i> 105 <i>Virginis.</i>	62	0	5	0	58	8	36	58	8	35	30, 58	36½	31
		64	9	14	9	60	34	52						
		33	1	5	7	31	0	58,9						
		56	1	7	5:	52	35	8,2						
FEB. 1.	Lower L.	70	15	4	5	66	31	12—	66	31	10	30, 22	35	32½
6.	α <i>Lyræ.</i>	13	12	3	6½	12	54	12				30, 10	37½	34
7.	Lower L. Upper L.	71	6	4	10	66	55	53½				30, 11	38	38+
		70	13	1	0	66	23	25½	66	23	27			
8.	Lower L. Upper L. 55 } <i>Persei.</i> 56 } <i>Aldebaran.</i>	71	0	14	7	66	36	56½				29, 98	41	45
		70	7	10	8	66	4	26½	66	4	25—			
		19	1	15	0	17	55	33,7						
		19	4	13	0	18	5	40,1						
		37	13	5	0	35	28	3,1				30, 14	41	41
9.	<i>Mars's Center.</i>	31	12	12	11	29	48	45,5				29, 93	44	47½
10.	<i>Mars's Center.</i> α <i>Lyræ.</i>	31	11	2	7	29	42	58,7				29, 55	44	44+
		13	12	3	9	12	54	14½				29, 47	37½	42
11.	Upper L. Lower L. <i>Venus's Center.</i> Center. Estimated. <i>Aldebaran.</i> <i>Rigel.</i> δ <i>Leporis.</i> H } n } μ } <i>Geminorum.</i> v } 7 } e } <i>Syrus.</i> 64 <i>Auriga.</i>	69	7	1	9	65	6	13½				29, 43	42	41
		70	0	5	4	65	38	40	65	38	38			
		48	15	10	3	45	54	58,9				29, 39	43	43
		55	13	12	6	52	22	11,4	52	22	10	29, 39	43—	42
		37	13	4	12	35	28	1,9				29, 40	38	42
		63	15	3	5	59	57	13,6						
		77	2	11	10	72	20	51,9						
		30	1	9	8½	28	13	8,1						
		30	13	8	7	28	55	4,7						
		30	12	7	12	28	51	25,5				29, 40	40	36
		33	3	4	1	31	7	41,5						
		37	3	6	2+	34	53	8,9						
		27	13	13	11	26	6	50						
		72	5	13	9	67	50	35,1						
		10	13	14	4	10	11	20,8						

In FEBRUARY MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
h 11.	58 Geminorum. β Canis minoris. Castor. Procyon. Mars's Center.	29	15	4	4	28	4	55,8				29, 40	39	35½
		45	8	14	3	42	42	30,1						
		20	5	9	12	19	4	45,3						
		48	10	14	0	45	38	13,9						
		31	9	9	6	29	37	28	29	37	29	29, 42	39	34½
d 13.	Lower L. Capella. α Orionis. H η μ ν γ ε Syrius. Mars's Center.	45	6	8	0	42	34	6	42	34	5	29, 24	43	42½
		6	2	3	4	5	45	15½						
		47	1	1	4½	44	7	33,6						
		30	1	9	10	28	13	9,6						
		30	13	8	7½	28	55	5,2						
		30	12	8	0	28	51	26,7						
		33	3	4	3-	31	7	43,5-				29, 34	41	38½
		37	3	6	4	34	53	10,9						
		27	13	13	12	26	7	30,6						
		72	5	13	12-	67	50	38-						
		31	6	11	3	29	27	18,6				29, 40	40	36½
δ 14.	Lower L. Upper L. H η μ ν γ ε Syrius. 41 1 ω 2 ω Castor. Pollux.	68	15	2	8	64	38	18½	64	5	53	29, 39	41	43
		68	5	15	2	64	5	54½						
		30	1	9	9	28	13	8,6						
		30	13	8	7	28	55	4,7						
		30	12	8	0	28	51	26,7						
		33	3	4	0½	31	7	41				29, 29	40	37
		37	3	6	3	34	53	9,9						
		27	13	13	11	26	7	29,6						
		72	5	13	11	67	50	37-						
		37	6	10	10	35	4	42,5						
		28	11	11	0	26	56	5,3						
		30	6	4	11	28	29	39,4						
		37	8	4	7	35	10	22,2						
		20	5	10	0	19	4	46,5				29, 30	35½	40
		24	6	8	10½	22	53	1,6						
ε 15.	Upper L. Lower L. Lower L. 1 Qu. 10 Qu. 20 Qu.	68	0	1	7	63	45	20+	64	17	43	29, 46	40-	39
		68	9	4	12	64	17	43+						
		37	7	14	7	35	9	3	35	9	2	29, 44	40	39
		47	15	1	6	44	56	48,2						
		42	2	6	12	39	31	3						
		40	14	10	0	38	21	25						
ζ 16.	Lower L. Lower L. Hazy. α Orionis. H η μ	68	3	6	12	63	57	3,9				28, 78	41	42
		35	0	2	10::	32	49	21½				28, 84	41	42
		47	1	1	3	44	7	32,1						
		30	1	9	8½	28	13	0,1						
		30	13	8	8	28	55	5,7						
		30	12	8	2:	28	51	28,7						
♀ 17.	Upper L. Lower L. Venus's Center. α Orionis. H η μ Upper L. ν γ ε Syrius.	67	4	4	0	63	3	41½	63	36	6	29, 06	39	40+
		67	13	7	7	63	36	6½						
		46	7	0	9	43	32	15,6				29, 12	40+	42
		47	1	1	2	44	7	31,1						
		30	1	9	9	28	13	8,6						
		30	13	8	8	28	55	5,7						
		33	1	5	8	31	1	0				29, 22	39	36½
		33	3	4	2	31	7	42½						
		37	3	6	3	34	53	9,9						
		27	13	14	0-	26	7	31,8						
		72	5	14	0-	67	50	39						
h 18.	Aldebaran. H η μ ν γ ε Syrius. ζ Geminorum. Upper L. Procyon. Mars's Center.	37	13	4	12	35	28	2				29, 57	39	37
		30	1	9	7	28	13	6,6						
		30	13	8	7	28	55	4,7						
		30	12	7	12	28	51	25,5						
		33	3	4	0	31	7	40,5						
		37	3	6	2	34	53	8,9				29, 59	38½	34
		27	13	13	12	26	7	30,6						
		72	5	13	9	67	50	35,1						
		32	9	11	0	30	34	3,5						
		32	13	3	10	30	46	31½	30	46	30	29, 59	38+	34-
		48	10	14	0	45	38	13,9						
		31	0	11	8	29	6	18	29	6	16			
d 20.	Upper L. Hydra. Hazy.	35	8	7	7	33	18	32-	33	18	31	29, 34	39	35½
		51	5	9	7	48	8	25,3						
δ 21.	Upper L. Lower L.	65	11	14	8	61	38	8	62	10	34			
		66	5	2	2	62	10	33						

In MARCH MDCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♀ 24.	☉ Lower L. ☉ Upper L.	65 64	2 9	6 3	7 3	61 60	4 32	43 21				29, 47	39½	42-
♂ 25.	☉ Upper L. Aldebaran. α Orionis. H η μ ν γ ε Mars's Center.	64 37 47 30 30 30 33 37 27 30	2 13 1 1 13 12 3 3 13 11	14 4 1 9 8 8 4 6 14 9	1 12½ 2 6: 6 0- 2 2 0 0-	60 35 44 28 28 28 31 34 26 28	10 28 7 13 55 51 7 53 7 48	7,4 2½ 31,1 5,6 3,7 26,7 42,5 8,9 31,8 9				29, 42 29, 54 29, 58 29, 60	40 41 41 40 40	43½ 41½ 40 39
♂ 27.	☉ Lower L. ☉ Upper L. H η μ ν γ ε Syrus. δ η Castor. Procyon. ☉ Lower L. α 1 ξ 2 ξ ρ π	63 63 30 30 30 33 37 27 72 82 85 20 48 70 66 65 85 81	15 6 1 13 12 3 3 13 5 9 9 5 10½ 10 4 14 15 3 14	5 2 9 8 8 4 6 13 13 8 5 5 9 14 4 13 2 11	1 0: 8 7 1 1 12 12 10 7 10½ 0½ 6 0 0 12	59 59 28 28 28 31 34 26 67 77 80 19 45 66 62 61 79 76	57 25 13 13 51 7 53 7 50 26 14 27 11 20 51 52 48	36 17 7,6 4,7 27,7 41,5 6,9 30,6 38 3,9 6,4 43,8 14,4 35,9 26,3 50,4 14,2 5,1		59 25 18½ 61 11 16	29, 66 29, 95 29, 96	43- 40 40	45- 35½ 35½	
♂ MAR. 1.	☉ Lower L. τ ε ι Jupiter's Center. γ Draconis. α Aquilæ.	73 84 90 43 78 0 46	6 5 12 9 9 0 1	13 11 15 11 5 12 9	2 2 6 10 7 8: 0	68 79 85 40 73 0 43	50 5 8 52 40 2 12	14 1,7 5 58,5 21,4 46,2 59,6		68 50 16-	29, 11	40½	36-	
♂ 2.	Mars's Center.	30	10	1	1	28	42	53,6				29, 22	42	39+
♀ 3.	☉ Lower L. α Orionis. H η μ ν γ ε Syrus. 41 ζ 19 Monocerotis. 0 Geminorum. 64 Aurigæ. 22 Lyncis. β Canis minoris. Procyon. Pollux. ☉ Center. Estimated. Hazy.	62 47 30 30 30 33 37 27 72 37 32 59 37 10 1 45 48 24 77	5 1 1 13 12 3 3 13 6 9 0 8 6 8 10 13	6 1 9 8 8 4 10 14 12 10 14 14 12 14 14 13	9 2- 8+ 7½ 0 1 0- 12 9 0 9- 3 0 3 1+ 10 2	58 44 28 28 28 31 34 26 67 35 30 55 35 9 1 42 45 22 72	26 7 13 51 7 53 7 50 4 34 21 10 11 19 42 38 53 59	32,8 31,1 7,6 5,2 26,7 41,5 8,9 31,8 38 41,5 3,5 54,6 24,2 19,8 58,8 29,6 14,9 1,1 50½				29, 46 29, 55 29, 56 29, 52	42- 42 41+ 40+	44½ 38½ 37+
☉ 5.	☉ Lower L. Hazy. ☉ Upper L.	60 61	15 8	11 4	11: 9:	57 57	40 8	24+ 8+		57 8 6	29, 07	43	48	
♂ 7.	☉ Upper L. α Cygni.	60 7	1 8	13 5	11 12	56 7	21 3	33,3 10½			29, 66 29, 75	40 39	39+ 34	
♀ 8.	☉ Upper L. ☉ Lower L. α Orionis. H η μ ν γ	59 60 47 30 30 30 33 37	11 4 1 1 13 12 3 3	3 6 1 9 8 7 4 6	9½ 7 0 9- 7- 12 0 2	55 56 44 28 28 28 31 34	58 30 7 13 55 51 7 53	14½ 30 29,1 8,6 4,7 25,5 40,5 8,9		56 30 29	29, 77	39½	38 35	

In MARCH MDCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
8.	ϵ Geminorum. Sirius. Mars's Center.	27	13	13	10	26	7	28,6						
		72	5	13	11	67	50	37						
		30	10	7	2:	28	44	13,7						
9.	$\odot$ Lower L. Hazy. $\odot$ Upper L. *55 α Lyra.	59	13	11	11	56	7	3+				30, 00	39 $\frac{1}{2}$	41 $\frac{1}{2}$
		59	4	8	11	55	34	45+	58*	34	47			
		13	12	4	0	12	54	19						
12.	$\odot$ Upper L. Hazy. $\odot$ Lower L.	58	0	8	6:	54	24	21 $\frac{1}{2}$				29, 62	37+	40-
		58	9	11	2:	54	56	35 $\frac{1}{2}$	54	56	37			
13.	Mars's Center.	30	12	7	0-	28	51	13,5				29, 52	37+	33 $\frac{1}{2}$
14.	ϵ Geminorum.	27	13	13	11	26	7	29,6						
15.	$\odot$ Lower L. δ Lower L. σ Hydræ. α Lyra.	57	5	8	11	53	45	46,2				29, 47	43+	50+
		35	10	7	0	33	25	26 $\frac{1}{2}$	33	25	29	29, 51	47-	51-
		50	7	1	1	47	17	20,7						
		13	12	4	1-	12	54	20-				29, 58	41	42
16.	$\odot$ Lower L. $\odot$ Upper L. Aldebaran. last wire. δ Lower L. The most distinct. δ Upper L. Horns vertical. γ } Geminorum. ϵ }	56	14	13	2	53	22	6 $\frac{1}{2}$				29, 62	45	53 $\frac{1}{2}$
		56	5	10	3	52	49	49 $\frac{1}{2}$	52	49	49			
		37	13	5	6	35	28	9,1						
		33	13	2	0	31	42	23 $\frac{1}{2}$				29, 66	48+	51-
		33	4	6	8	31	11	46	31	11	44			
		37	3	6	0 $\frac{1}{2}$	34	53	7,4						
		27	13	13	12:	26	7	30,6						
17.	α Orionis. η } γ } Geminorum. ϵ } Sirius. δ Upper L. The most distinct. δ Lower L. Horns vertical. 64 Aurigæ. δ } Geminorum. γ } β Canis minoris. last wire. Procyon. 10 Navis. 14 Canis minoris. 6 } 2 $\downarrow$ } Cancri. 3 $\downarrow$ } 19 Navis. 1 $\downarrow$ } 2 $\downarrow$ } 9 } Cancri. 34 } 2 c }	47	1	1	4 $\frac{1}{2}$	44	7	33,6				29, 62	48+	50 $\frac{1}{2}$
		30	13	8	8	28	55	5,7						
		30	12	8	1 $\frac{1}{2}$	28	51	28,2						
		37	3	6	4 $\frac{1}{2}$	34	53	11,4						
		27	13	14	0	26	7	31,8						
		72	5	14	4	72	50	43						
		32	9	15	6 $\frac{1}{2}$	30	35	3-				29, 61	48	49 $\frac{1}{2}$
		33	2	9	7	31	5	22 $\frac{1}{2}$	31	5	21			
		10	13	14	1 $\frac{1}{2}$	10	11	18,3						
		31	0	0	12	29	3	57						
		32	12	13	1	30	45	3,6						
		45	8	14	5	42	42	32,1						
		48	10	14	3	45	38	16,9						
		70	1	1	0	65	41	14,1						
		51	13	10	0	48	36	39						
		24	8	14	1	23	1	13,1						
		26	14	15	0	25	15	0,9						
		22	8	4	11	21	6	41,2						
		67	14	11	6:	63	40	29,1						
		27	14	7	6	26	9	36,4						
		28	4	15	9	26	32	30,5						
		34	11	15	2	32	34	30,1				29, 60	47 $\frac{1}{2}$	47 $\frac{1}{2}$
		43	4	13	10	40	35	50,1						
		43	11	8	0	40	59	10,8						
20.	δ Upper L.	37	2	11	2:	34	50	43,9				29, 22	45	40 $\frac{1}{2}$
23.	ξ Virginis. β Leonis. β Virginis. δ Upper L. b Virginis.	44	10	7	2	41	51	43,7						
		37	14	9	10	35	32	36,8						
		51	8	14	4	48	20	1,1	45	50	18	29, 59	41	36 $\frac{1}{2}$
		48	14	5	1-	45	50	20-						
		49	8	14	3	46	27	30,1						
24.	$\odot$ Upper L. $\odot$ Lower L. α Orionis. δ Upper L. δ Lower L.	52	15	14	0-	49	40	48+				29, 69	42	45-
		53	9	0	0	50	12	53 $\frac{1}{2}$	50	12	52			
		47	1	1	3	44	7	32,1				29, 72	43	43
		53	10	9	9	50	18	32				29, 80	42-	38
		54	3	7	0:	50	49	35						
26.	δ Lower L.	63	15	7	10	59	58	11+	59	58	11 $\frac{1}{2}$	30, 12	45-	45-
27.	Sirius. Castor. Procyon. Pollux. Mars's Center. 1 α } 2 α } Cancri. τ } ξ } Venus's Lower L.	72	5	14	1	67	50	40,3				30, 16	48	48
		20	5	9	11	19	4	44,3						
		48	10	14	3 $\frac{1}{2}$	45	38	17,1						
		24	6	8	11	22	53	2,1						
		31	8	9	9 $\frac{1}{2}$	29	34	0,7						
		41	8	7	3	38	55	57,8						
		41	4	4	6	38	41	17,5						
		22	4	0	10	20	51	43,8						
		30	5	12	2	28	27	44,9						
		44	1	6	11	41	20	1						
28.	$\odot$ Lower L. $\odot$ Upper L.	51	14	4	11	48	39	2				30, 19	47 $\frac{1}{2}$	50-
		51	5	2	9	48	6	55	48	6	53			

In MARCH MDCCLVIII.																	
DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.					
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.			
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.						
28.	b Scorpii.	81	7	15	5	76	24	14,3				30, 18	47 +	43 +			
	9 Libræ.	71	14	14	9	67	26	11,7									
	Lower L.	72	8	11	10	68	0	42½	68	0	41						
	18 Scorpii.	63	1	10	5	59	9	32,8									
	Ophiuchi.	75	9	10	2	70	52	37,3									
		73	15	0	10	69	19	9,1									
	Venus's Lower L.	44	7	5	11	41	40	53,5	41	40	55						
29.	Upper L.	50	14	8	9	47	43	37½				30, 16	50,0	55-			
	Lower L.	51	7	10	9	48	15	42½	48	15	41						
	Procyon.	48	10	14	3	45	38	16,9									
	Pollux.	24	6	8	10	22	53	1,1									
	Navis.	69	12	13	5	65	26	22,6									
		70	1	1	1	65	41	15,1									
		75	3	1	11	70	29	42									
	Cancr.	67	15	13	11	63	44	31,4									
		35	14	3	1	33	38	38,7									
		28	4	15	10	26	32	31,5									
	Star of 5th mag. following.	43	11	8	1	40	59	11,8									
		43	12	13	0	41	3	47,6									
	Hydræ.	70	15	8	0	66	31	59,5									
		68	6	6	10	64	7	34,7									
	Cancr.	61	9	7	2	57	44	27,7									
		21	10	14	7	20	19	35,9									
	Hydræ.	22	4	0	10	20	51	43,8									
		63	0	4	6	59	4	43,7									
	Cancr.	34	14	15	4	32	45	4,9									
		17	2	5	0	16	4	22,8									
	Hydræ.	63	0	3	10	59	4	34,6									
		56	11	10	6	53	10	58,1									
	Leonis.	55	0	7	6	51	35	23,3									
		33	6	9	2	31	19	21,3									
	Hydræ.	54	15	3	3	51	30	56,6									
		61	6	13	5	57	35	17									
	Sextantis.	58	3	7	5½	54	34	40,6									
		19	2	6	9	17	57	15									
	Leonis minoris.	37	7	1	9	35	6	13,7									
		67	9	2	7	63	20	56,8									
	Regulus.	40	14	1	10	38	19	36,3									
		20	1	1	4	18	48	48,1									
	Leonis minoris.	37	10	2	0	35	16	50,7									
		57	15	0	2	54	19	1,1									
	Sextantis.	54	10	4	1	51	13	33,1									
		43	2	13	3	40	28	41,3									
	Hydræ.	78	13	11	9	73	55	46,2									
		36	5	12	8	34	5	20,9									
	Leonis.	46	11	14	3	43	49	17,9									
		23	11	5	4	22	13	35,2									
	Leonis minoris.	47	0	1	3½	44	4	1,7									
		51	6	9	0	48	11	49,3									
	Lower L.	27	3	5	1	25	30	24,7									
		75	12	5	0	71	2	2 +	71	2	1				30, 07	47 +	40½
	Ophiuchi.	80	7	0	4	75	24	40,6									
		77	1	2	3½	72	15	15,8									
	Jupiter's Center.	81	3	8	3	76	8	36,3									
		78	11	9	7	73	48	16	73	48	15½				30, 07	47 +	41
	Cygni.	7	8	6	3	7	3	14½							30, 05	47½	44½
		44	13	8	3	42	2	30½	42	2	30				30, 01	51	55
	30.	Lower L.	51	1	0	4	47	52	20							30, 01	53-
Upper L.		50	7	14	6½	47	20	17½	47	20	20						
Cancr.		27	14	7	6	26	9	36,4									
		40	9	1	6	38	1	57,6									
Lyncis.		5	2	2	10	4	48	53,2									
		19	15	1	0	18	41	42,2									
Cancr.		43	3	10	3	40	31	32,6									
		31	12	5	0	29	47	2	29	47	0	29, 89	53	52-			
Cancr.		41	8	7	2	38	55	56,8									
		37	9	8	4	35	14	42,9									
Lyncis.		7	12	3	2	7	16	37,8									
		66	9	2	0	62	24	34,8									
Hydræ.		43	6	9	0-	40	41	49,3									
		38	6	12	5	36	1	18,8									

In MARCH MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.				
4	30.	8 } Leonis.	33	6	9	4	31	19	23,3					
		12 } Sextantis.	26	11	2	3	25	1	39,7					
		3 } Leonis.	61	6	14	5	57	35	30,2					
		21 } Leonis.	41	1	3	0	38	30	25,5					
		18 } Leonis minoris.	19	2	6	10	17	57	16					
		Regulus.	40	14	1	12	38	19	38,3					
		20 } Sextantis.	61	6	13	9	57	35	21					
		21 } Leonis.	62	2	4	1	58	15	25,6					
		39 } Leonis.	28	15	8	9	27	9	38,5					
		μ } Ursæ majoris.	9	5	10	4½	8	46	6					
		24 } Sextantis.	54	8	14	2	51	8	44,1					
		27 } Leonis.	58	4	3	9	54	37	22,3					
		31 } Leonis.	51	4	8	6	48	4	40,2					
		1 } Leonis.	38	8	0	10	36	5	47,5					
		48 } Leonis minoris.	46	2	8	4	43	16	21,3			29, 87	52	50½
		43 } Leonis minoris.	22	2	11	0	20	46	56,9					
		48 } Leonis.	26	5	8	5	24	41	55,2					
		54 } Leonis.	27	2	2	0	25	26	13,2					
		56 } Leonis.	46	14	13	4	43	59	38,5					
		b } Hydrae et Crateris.	31	15	15	2	29	59	48,8					
		64 } Leonis.	82	1	1	5	76	56	19,1					
		Lower L.	28	10	2	0	26	50	35,7					
		1 μ } Sagittarii.	77	14	14	0	73	3	32½	73 3 32		29, 75	50+	45½
		α } Lyrae.	77	5	11	8	72	31	22,7					
		α } Aquilæ.	13	12	4	1	12	54	20					
		Venus's Lower L.	46	1	9	2	43	13	1,6			29, 74	50	47-
			45	3	12	8½	42	24	34½	42 24 33		29, 71	53	58-
8	31.	☉ Upper L.	50	1	5	1	45	57	8					
		☽ Lower L.	50	10	7	2	47	29	13½	47 29 12		29, 71	58-	53
		Aldebaran.	37	13	5	6	35	28	9,1					
		Capella.	6	2	3	2	5	45	13½			29, 71	57	60½
		Rigel.	63	15	4	0	59	57	21,8					
		Castor.	20	5	9	11	19	4	44,3					
		Procyon.	48	10	14	4½	45	38	18,4			29, 73	56	56
		Pollux.	24	6	8	11	22	53	2,1					
		Hydrae.	58	1	2	5	54	26	32,3					
		39 } Cancr.	32	10	11	0	30	37	34,4					
		c } Mars's Center.	32	15	8	11	30	54	40,5					
		17 Hydrae.	31	13	10	0	29	51	39	29 51 37				
		3 σ } Cancr.	62	6	10	10	58	30	57,5					
			19	5	7	2	18	7	54					
			0	15	11	2	0	55	11,1					
		26 Hydrae.	66	9	4	1	62	25	2,2					
		42 } Lyncis. laft wire.	5	2	6	10	4	49	46					
		9 } Leonis.	27	7	1	1	25	43	35,7					
		10 or 1 } Sextantis.	46	7	6	0	43	33	25,7					
		4 } Sextantis.	49	1	0	10	45	59	55,9					
		6 } Sextantis.	58	3	7	8	54	34	43,1					
		1 υ } Hydrae.	69	8	3	5	65	10	7,1					
		8 } Sextantis.	62	5	3	10	58	25	54,2					
		λ } Ursæ majoris.	7	13	10	5	7	21	44					
		24 } Leonis minoris. laft wire.	23	0	7	3	21	35	20,3					
		25 } Leonis minoris.	8	15	11	3	8	25	12,1					
		23 } Sextantis.	51	2	9	4	47	57	49,5					
		29 } Leonis minoris.	15	13	0	5	14	49	32,2					
		32 } Leonis minoris.	48	9	15	7	45	35	3,2			29, 74	54½	52+
		39 } Leonis minoris.	63	3	11	4	59	16	46,8					
		40 } Leonis minoris.	57	13	2	11	54	12	34,6					
		46 } Leonis minoris.	17	0	6	4	15	57	38,1					
		49 } Leonis minoris.	34	2	11	2	32	1	58,9					
		51 } Ursæ majoris.	12	11	10	9	11	56	1,1					
		64 } Leonis.	28	10	2	0	26	50	35,7					
		Upper L.	78	3	6	7::	73	19	29	73 19 20		29, 74	51+	46½
		Venus's Lower L.	45	10	2	0	42	46	50½	42 46 51		29, 73	54	60
h	APR. 1.	☉ Lower L.	50	3	13	10	47	6	4+			29, 73	54+	61½
		☽ Upper L.	49	10	11	9	46	33	58½	46 33 57				
		α } Orionis.	47	1	1	6	44	7	35,1			29, 69	57+	63½
		Syrrius.	72	5	14	4	67	50	43,3					
		Procyon.	48	10	14	6	45	38	19,9					
		Pollux.	24	6	8	12	22	53	3,1			29, 69	56+	59
o	2.	☉ Upper L.	49	4	3	1	46	10	59+	46 10 58		29, 83	51½	49

In APRIL MDCCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
D	3	☉ Lower L. ☉ Upper L. <i>Procyon.</i> <i>Pollux.</i> <i>Venus's</i> Lower L.	49	6	12	0	46	19	59				29, 63	50—	50
			48	13	10	12:	45	48	6	45	48	8			
			48	10	14	2	45	38	15,9				29, 58	50—	44—
			24	6	8	9	22	53	0,1						
			46	13	8	1::	43	54	58½	43	54	59	29, 49	46	39
δ	4	☉ Upper L. ☉ Lower L. <i>α Orionis.</i> <i>19 Ursa majoris.</i> <i>43 Lyncis.</i> 9 } 12 } 23 } <i>Leonis.</i> 35 } 37 } 27 } <i>Leonis minoris.</i> 29 } <i>Venus's</i> Lower L.	48	7	2	2	45	25	5				29, 47	39½	46+
			49	0	4	0	45	57	7½	45	57	5			
			47	1	1	3	44	7	32,1				29, 42	46+	40+
			16	14	10	0	15	51	25						
			10	13	6	12	10	9	43,3						
			27	7	1	0	25	43	34,7						
			26	11	2	0	25	1	36,7						
			39	12	4	2	37	16	51				29, 40	43	34
			28	8	15	0	26	46	25,3						
			38	15	10	2	36	32	27,9						
			17	7	1	2	16	21	6,7						
			15	12	15	11	14	49	25						
			47	3	14	0	44	17	22,4	44	17	20	29, 41	41	37+
♀	5	☉ Lower L. ☉ Upper L. <i>Capella.</i> <i>Rigel.</i> 2 } <i>Leonis minoris.</i> 3 } 19 } σ } <i>Hydrae.</i> 6 } 36 } <i>Lyncis.</i> <i>Mars's</i> Center. <i>n Ursa majoris.</i> last wire. 25 } <i>Hydrae.</i> 13 } <i>Leonis.</i> 37 } <i>Hydrae.</i> <i>Regulus.</i> 23 } <i>Leonis minoris.</i> 24 } 42 } <i>Leonis.</i> 26 } <i>Leonis minoris.</i> v } <i>Hydrae et Crateris.</i> last wire. ω } 51 } <i>Ursa majoris.</i> Faint. x } <i>Hydrae et Crateris.</i>	48	9	12	4½	45	34	21				29, 41	42	39
			48	0	10	5	45	2	17—	45	2	17			
			6	2	3	2	5	45	13,4				29, 41	44	41½
			63	15	3	10	59	57	18,6						
			19	0	9	1	17	50	44,7						
			19	1	10	12	17	54	39,8						
			50	7	0	11½	47	17	18,1						
			67	4	10	1	63	5	1,6						
			7	5	3	4	6	52	3,3						
			32	4	11	8	30	16	36,8	30	16	34	29, 45	42½	35
			9	5	5	10	8	45	5,6						
			66	9	1	5	62	24	26,6						
			26	1	9	11	24	28	10,6						
			65	0	0	4	60	56	19						
			40	14	1	9	38	19	35,3						
			22	5	13	0	20	57	56,1						
			23	0	6	12	21	35	16,1						
			37	10	2	0	35	16	50,7						
			16	0	11	11	15	2	36						
			70	12	13	0	66	22	32,6						
			7	7	8	7	7	00	14						
			12	11	10	10	11	56	2,1						
			82	8	15	8:	77	24	3,3				29, 46	41	32
♄	6	<i>α Lyræ.</i> <i>Venus's</i> Center.	13	12	3	10½	12	54	16,3				29, 65	40	33
			48	0	4	3+	45	0	56	45	0	55	29, 71	41½	43
♀	7	<i>Venus's</i> Center. <i>Syrius.</i>	48	6	5	2	45	22	13,5	45	22	22	29, 87	42½	46½
			72	5	14	2	67	50	41,5				29, 87	45	47+
♂	8	<i>Mars's</i> Center.	32	9	7	2—	30	33	12+	30	33	10	29, 88	42½	44
☉	9	☉ Lower L. ☉ Upper L.	47	0	2	12	44	4	23½				29, 84	46	52½
			46	7	1	3	43	32	22½	43	32	21			
D	10	☉ Lower L. ☉ Upper L. <i>α Cygni.</i>	46	9	14	0—	43	42	13—				29, 77	49	58½
			46	0	12	5	43	10	13+	43	10	12			
			7	8	6	5	7	3	16,6				29, 74	48	50
♂	11	☉ Upper L. Hazy. <i>Venus's</i> Center.	45	10	8	0::	42	48	9,8				29, 75	51	61
			49	12	11	1	46	40	52+	46	40	51	29, 69	51	59
♀	12	☉ Upper L. ☉ Lower L.	45	4	4	3	42	26	14½				29, 68	53	61
			45	13	6	0—	42	58	16	42	58	16			
♄	13	☉ Lower L. <i>Syrius.</i> <i>Procyon.</i>	33	0	6	8:	30	57	42	30	57	40	29, 86	49	46
			72	5	14	2	67	50	41,3						
			48	10	14	2	45	38	15,9						
♀	14	☉ Lower L. ☉ Upper L. ☉ Upper L. <i>Procyon.</i>	45	1	0	1	42	14	47				29, 87	43	36
			44	7	14	6	41	42	47	41	42	46			
			32	8	7	0	30	29	40—	30	29	38	29, 69	42+	35—
			48	10	14	2—	45	38	15,9						
♂	15	☉ Upper L. <i>Venus's</i> Center.	44	1	13	9::	41	21	31,3				29, 51	41	37
			50	15	1	9—	47	45	37	47	45	35	29, 68	40—	36
☉	16	☉ Lower L. ☉ Upper L. <i>Mars's</i> Center. ☉ Upper L. ξ <i>Leonis.</i>	44	4	13	5	41	32	0				29, 69	41—	39—
			43	11	12	1	41	0	4½	41	0	5			
			33	7	9	0	31	22	40+	31	22	38½	29, 72	41	38½
			35	14	7	6	33	39	36½	33	39	37	29, 72	41	38½
			41	11	7	1	39	6	28,6						

In MAY MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
16.	7 } <i>Leonis.</i> 8 } <i>Regulus.</i> <i>Jupiter's Center.</i>	38	6	12	3	36	1	16,8						
		36	3	9	2	33	57	33,5						
		40	14	1	10	38	19	36,3						
		78	11	5	7	73	47	23,2	73	47	22	29, 70	38	31
17.	☉ Upper L. ☉ Lower L. *10	43	5	12	0	40	38	58				29, 63	42	47
		43	14	13	3½	41	10	53	41	11*	54½			
18.	<i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>	72	5	14	5	67	50	44,3				29, 54	46	52
		20	5	10	0—	19	4	46,5						
		48	10	14	5	45	38	18,9						
		24	6	8	10	22	53	1,1						
19.	☉ Upper L. τ } <i>Leonis.</i> 88 } ☉ Upper L. β } <i>Virginis.</i> A } <i>Venus's Center.</i> Hazy.	42	9	14	2	39	57	15	39	57	14	29, 54	47	51½
		50	6	13	7	47	16	34						
		38	2	4	3	35	45	27,6						
		47	1	3	4	44	7	59½	44	7	58	29, 64	46	44
		51	8	14	6	48	20	3,1						
		44	7	4	2	41	40	31,3						
		51	13	0	0—	48	34	27,2	48	34	25	29, 65	45	52½
20.	☉ Upper L.	51	12	14	10	48	34	11—	48	34	10	29, 66	47	48
21.	☉ Lower L. <i>Venus's Center.</i>	42	7	4	11½	39	48	10,8				29, 67	49	56½
		52	2	2	0	48	52	28+	48	52	27	29, 67	50	59½
22.	☉ Upper L. ☉ Lower L. <i>Spica</i> } 5 } <i>Virginis.</i> m } 86 } ☉ Upper L. * <i>Virginis.</i> <i>Arcturus.</i>	41	8	8	0	38	56	8				29, 67	53	64
		42	1	9	1½	39	28	1	39	28	2½			
		65	6	14	4	61	20	29,2				29, 63	52½	54½
		54	3	2	9	50	48	38,2						
		62	13	10	7	58	55	31						
		66	13	4	6	62	39	10,9						
		61	12	2	0	57	53	52½	57	53	51	29, 63	52½	53½
		64	10	0	1	60	35	10,4						
		33	1	5	6	31	00	57,9						
23.	☉ Lower L. ☉ Upper L.	41	11	13	11	39	7	57½				29, 64	54	62
		41	2	12	9	38	36	4	38	36	1½			
24.	☉ Upper L. ☉ Lower L.	40	13	2	8	38	16	16½				29, 76	55+	62+
		41	6	3	10	38	48	10	38	48	9			
MAY I.	☉ Upper L.	69	3	1	0::	64	52	1	64	52	0	30, 23	45	43
2.	☉ Lower L. ☉ Upper L. <i>Capella.</i> <i>α Orionis.</i> Faint. <i>Procyon.</i> <i>Pollux.</i> n } <i>Virginis.</i> c } 4 <i>Canum Venaticorum.</i> 18 <i>Comæ Berenices.</i> 8 <i>Canum Venaticorum.</i> ☉ Center. Estimated. <i>Venus's Center.</i>	38	11	7	1	36	17	43½				30, 24	46	48½
		38	2	6	5	35	45	56	35	45	54			
		6	2	3	6	5	45	17,4				30, 21	47	51
		47	1	1	2	44	7	31,1						
		48	10	14	2	45	38	15,9						
		24	6	8	8	22	52	59,1				30, 20	48	50½
		54	2	10	0	50	46	43,7						
		49	14	11	6	46	47	59,1						
		8	1	8	3	7	35	19,4				30, 23	46	40
		27	12	1	1	26	1	10,4						
		9	6	2	6	8	47	53						
		64	5	3	2	60	18	16+	60	18	16	30, 20	45	45—
		52	9	14	7	49	19	50	49	19	49	30, 20	45	45—
3.	☉ Upper L. ☉ Lower L.	37	13	5	11	35	28	14				30, 18	46+	50
		38	6	6	12	36	0	6½	36	0	8			
5.	<i>Venus's Center.</i>	52	6	10	11	49	8	28½	49	8	27	29, 91	50	57+
6.	☉ Lower L. ☉ Upper L. <i>α Orionis.</i> <i>Syrus.</i> <i>Procyon.</i> <i>Regulus.</i> <i>Spica.</i>	37	7	12	0	35	8	30—				29, 92	54—	60+
		36	14	11	4	34	36	42	34	36	40			
		47	1	1	6	44	7	35,1				29, 92	55	64
		72	5	14	9	67	50	48,3						
		48	10	14	7	45	38	20,9				29, 92	65	58
		40	14	2	0	38	19	39,5						
		65	6	14	4	61	20	29,2				29, 94	55	56
7.	☉ Upper L. ☉ Lower L.	36	9	15	7	34	20	3				29, 86	59½	70,0
		37	3	0	4	34	51	52—	34	51	50			
8.	☉ Lower L. ☉ Upper L.	36	14	5	9	34	35	28				29, 75	58	67½
		36	5	5	1	34	3	41	34	3	40			
9.	☉ Lower L. ☉ Upper L. <i>Mars's Center.</i> <i>Arcturus.</i> Small * near <i>Arcturus.</i> l. w. <i>α Aquilæ.</i> <i>Venus's Center.</i>	36	0	11	12	34	19	23½				29, 85	60	69
		36	9	12	7	33	47	37	33	47	36			
		36	11	14	9	34	26	54	34	26	52	29, 88	61½	63—
		33	1	5	7	31	00	58,9				29, 93	60—	56½
		33	8	3	7	31	25	9,5						
		46	1	8	12	43	12	58½	43	12	57	29, 94	57	50+
		51	15	6	1	48	42	49+	48	42	48	30, 0	58	60—

In MAY MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	With- in.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
8 10.	☉ Lower L. ☉ Upper L. ☽ Center. Estimated. <i>Syrus.</i> <i>Procyon.</i> <i>Venus's</i> Center.	36	5	4	8	34	3	35½				30, 05	59	68½
		35	12	3	10	33	31	46—	33	31	47	30, 05	61—	65—
		32	14	11	0	30	51	38	30	51	37	30, 05	61—	65—
		72	5	14	4	67	50	43,3				30, 05	61	64—
		48	10	14	2	45	38	15,9				30, 05	61	64—
		51	13	1	4	48	34	44½	48	34	44	30, 22	57	59½
4 11.	☉ Upper L. ☉ Lower L. ☽ Center. Estimated. <i>Procyon.</i> <i>Spica Virginis.</i> <i>Arcturus.</i> Small * near Arcturus.	35	7	13	5	33	16	18				30, 24	59	64+
		36	0	14	0	33	48	4½	33	48	2	30, 25	60—	62
		32	6	1	5	30	21	24—	30	21	22	30, 25	60—	62
		48	10	14	4—	45	38	17,9				30, 25	54½	51½
		65	6	14	2	61	20	27,2				30, 25	54½	50½
		33	1	5	4	31	0	56				30, 25	54½	50½
		33	8	3	5	31	25	7						
♀ 12.	☉ Lower L. ☉ Upper L. <i>Capella.</i> ☽ Upper L. Faint. <i>Mars's</i> Center. <i>Venus's</i> Center.	35	12	8	10	33	32	51½				30, 13	57	61½
		35	3	8	1	33	1	4+	33	1	3	30, 12	58	62
		6	2	3	5½	5	45	16,9				30, 08	59—	60+
		32	13	1	5	30	46	0½	30	46	0	30, 08	58	60
		37	3	15	7	34	55	12½	34	55	11	30, 04	55	57
		51	7	14	9	48	16	35	48	16	34			
h 13.	☉ Lower L. ☉ Upper L. ☽ Upper L. Faint. <i>Corvi.</i> <i>Canum Venat.</i> <i>Arcturus.</i>	35	8	4	10	33	17	55+				30, 00	57	67
		34	15	4	4	32	46	11—	32	46	9	29, 99	59	62½
		34	10	2	0—	32	28	5½	32	28	4			
		77	1	14	8	72	17	58,5						
		81	1	8	2	76	1	33,4						
		33	1	5	5	31	00	56,9				30, 00	56½	52½
☉ 14.	☉ Upper L. ☉ Lower L. ☽ Upper L.	34	11	1	10½	32	31	34				29, 97	58	65½
		35	4	2	6	33	3	21	33	3	20	30, 01	62	69+
		37	6	3	10	35	3	10	35	3	9			
☽ 15.	<i>Venus's</i> Center.	50	14	15	8	47	45	9	47	45	8	30, 25	58+	63½
♂ 16.	☉ Lower L. ☉ Upper L. ☽ Upper L. <i>Spica</i> } <i>Virginis.</i> <i>ζ</i> } <i>m</i> } <i>Venus's</i> Center.	34	12	1	10	32	35	4½				30, 26	61½	70½
		34	3	1	4	32	3	20	32	3	18	30, 30	62+	63
		45	1	0	8	42	14	54	42	14	54			
		43	7	12	10	40	46	9,8				30, 31	61	57
		65	6	14	1	61	20	26,2						
		54	3	2	4	50	48	33,2						
		62	13	10	5	58	55	29						
		50	11	12	0:	47	33	48,5	47	33	47	30, 33	58½	60—
♀ 17.	☉ Upper L. ☉ Lower L. ☽ Upper L. <i>ε</i> } <i>Virginis.</i> <i>48</i> } <i>9</i> } <i>Jupiter's</i> Center. <i>α Lyræ.</i> <i>α Aquilæ.</i> <i>α Cygni.</i> <i>Venus's</i> Center.	33	15	3	0	31	49	38½				30, 33	61	67+
		34	8	3	8	32	21	25	32	21	23	30, 32	60	59
		49	10	11	2	46	33	51½	46	33	49½			
		41	13	0	4	39	12	1,2						
		57	6	6	8	53	48	47,7						
		59	6	8	11	55	41	47,1						
		78	8	1	3	73	35	53½	73	35	51½	30, 31	51½	50
		13	12	3	8	12	54	13,8				30, 31	56	48
		46	1	8	10	43	12	56,4						
		7	8	6	0	7	3	11,6						
		50	8	4	0½	47	21	31—	47	21	29	30, 21	58	61½
4 18.	☉ Lower L. ☉ Upper L. <i>Capella.</i> <i>γ</i> } <i>Virginis.</i> <i>2 d</i> } ☽ Upper L. <i>9</i> } <i>Virginis.</i> <i>Spica</i> } <i>Venus's</i> Center.	34	4	7	0	32	8	6				30, 28	60	68—
		33	11	6	11	31	36	25½	31	36	24	30, 26	61	70
		6	2	4	0	5	45	24,6						
		55	0	4	3	51	34	40,7						
		45	4	11	3	42	27	46,8						
		54	9	3	1	51	9	49	51	9	48	30, 24	60	59
		59	6	8	10	55	41	46,1						
		65	6	14	0	61	20	25,2						
		50	4	11	0	47	8	59—	47	9	0	30, 24	59+	62
♀ 19.	☉ Upper L. ☉ Lower L. <i>31</i> } <i>Virginis.</i> ☽ Upper L. <i>p</i> } <i>τ</i> } <i>Virginis.</i> <i>97</i> } <i>Arcturus.</i>	33	7	11	10	31	23	26½				30, 23	61—	65+
		34	0	12	3	31	55	11+	31	55	10			
		59	5	1	5	55	36	37,9						
		59	9	13	3	55	53	18—	55	53	16	30, 24	61	57
		55	3	6	2	51	45	38,9						
		51	15	11	7	48	44	1,1						
		64	3	6	11	60	12	2,9						
		60	0	10	7	56	17	18,8						
		33	1	5	4	31	00	55,9						
h 20.	☉ Lower L. ☉ Upper L. <i>Syrus.</i>	33	13	2	8	31	42	31½				30, 26	60—	60—
		33	4	2	4	31	10	49	31	10	48	30, 22	60½	62½
		72	5	14	2	67	50	41,3						
☉ 21.	☉ Upper L.	33	0	10	4	30	58	31—				30, 16	58½	57—

In JUNE MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
21.	☉ Lower L.	33	9	10	9	31	30	14+	31	30	12			
23.	☉ Lower L. A little hazy.	33	2	15	5	31	6	39½				29, 97	57	59-
	☉ Upper L.	32	9	15	5	30	35	1+	30	35	1			
	Regulus.	40	14	1	10	38	19	36,3				29, 95	65½	65
	☽ Upper L. Very dubious.	76	6	4	11::	71	37	9½	71	37	8	29, 96	58	53+
	Venus's Center.	49	1	0	6	45	59	52	45	59	51	29, 96	58	64-
24.	☉ Upper L.	32	6	12	0	30	23	44-				29, 95	61	73-
	☉ Lower L.	32	15	12	4½	30	55	26½	30	55	25			
	Capella.	6	2	4	0	5	45	24,6				29, 94	61+	74½
	Procyon. Faint.	48	7	13	10:	45	27	37,9				29, 94	65	74
	β Leonis.	37	14	10	0	35	32	40				29, 95	63	66
	Spica Virginis.	65	6	14	4	61	20	29,2				29, 96	62+	62
	Venus's Center.	48	12	12	6	45	44	55	45	44	53	29, 90	61	66
25.	☉ Lower L.	32	12	10	8½	30	44	31,6				29, 87	64	73+
26.	☽ Upper L.	77	6	12	4-	72	35	6½	72	35	5	29, 58	60	54½
	α Cygni.	7	8	5	11	7	3	9,4						
27.	☉ Upper L.	31	13	12	7-	29	52	12+				29, 58	63	68
	☉ Lower L.	32	6	12	5½	30	23	49+	30	23	47			
28.	☽ Upper L.	70	12	12	9	66	22	28½	66	22	26	29, 84	60	56½
29.	☉ Lower L.	32	1	4	10	30	4	33½				29, 89	62+	67+
	☉ Upper L.	31	8	4	8	29	32	53+	29	32	51			
	Arcturus.	33	1	5	2	31	00	53,9				29, 87	62-	58-
30.	Spica Virginis.	65	6	14	3	61	20	28,2				29, 56	61	60
JUNE 1.	Mars.	41	0	7	5	38	27	52+	38	27	51	29, 75	57	56½
2.	☉ Lower L.	31	7	9	10	29	30	30+				29, 87	55+	57½
	☉ Upper L.	30	14	10	2	28	58	57	28	58	56			
	Venus's Center.	46	2	12	4	43	17	14,1	43	17	14	30, 07	54	52½
3.	☉ Upper L.	30	12	7	10	28	51	23½				30, 08	56-	57½
	☉ Lower L.	31	5	8	0	29	23	5+	29	23	3			
	Capella.	6	2	4	0	5	45	24,6						
	Regulus.	40	14	1	10	38	19	36,3						
	Arcturus.	33	1	5	4	31	00	55,9				30, 11	58	57
	26 Ophiuchi.	81	1	3	6	76	00	31,5						
	Jupiter.	78	4	14	11	73	24	49,3	73	24	51	30, 10	55+	52½
	A Ophiuchi.	82	12	13	5	77	37	37,6						
4.	☉ Lower L.	31	3	7	1	29	15	51				30, 07	69	69+
	☉ Upper L.	30	10	7	5	28	44	16½	28	44	15			
6.	☉ Upper L.	30	6	11	8	28	31	8,6	28	31	8	29, 91	62½	75
	Jupiter's Center.	78	4	5	2	73	22	41½				29, 86	63	63
	β Ophiuchi.	80	5	14	5	75	20	44,3						
	ν Scorpii.	94	1	14	4	88	14	9,5						
	Venus's Center.	44	14	9	9½	42	6	20½	42	6	22	29, 76	64	74
7.	☉ Lower L.	30	14	0	7	28	56	50				29, 74	67+	77½
	☉ Upper L.	30	5	0	10	28	25	14½	28	25	12			
	Syrus.	72	5	14	8½	67	50	47½				29, 74	69	79
	Antares.	82	6	15	2	77	16	55,4				29, 84	66	64
	Jupiter's Center.	78	4	2	0	73	22	0	73	22	0-	29, 85	64½	64
8.	☉ Upper L.	30	3	7	1	28	19	36				29, 98	65	70
	☉ Lower L.	30	12	7	0	28	51	13½	28	51	12			
	Mars.	42	8	4	6	39	51	36+	39	51	35	29, 98	68	75
	Spica Virginis.	65	6	14	4	61	20	29,2				29, 97	67+	67
9.	☉ Lower L.	30	10	15	7	28	46	4				29, 94	66-	70
	☉ Upper L.	30	1	15	7	28	14	25½	28	14	23½			
	Syrus.	72	5	14	2	67	40	41				29, 97	67-	72
	☽ Center. Estimated.	33	13	7	6	31	43	35½	31	43	35	29, 93	68	75-
	Mars.	42	11	12	7::	40	3	55,5						
10.	☉ Upper L.	30	0	10	0	28	9	42-				29, 89	61+	71
	☉ Lower L.	30	9	10	0	28	41	20+	28	41	18			
	☽ Upper L. Faint.	35	15	6	2	33	42	50+	33	42	48½	29, 88	68+	72½
	Regulus.	40	14	2	1	38	19	40,5						
11.	☉ Lower L.	30	8	5	10½	28	36	54				29, 83	66	70½
	☉ Upper L.	29	15	6	4-	28	5	22	28	5	21			
12.	Jupiter's Center.	78	3	0	6	73	18	9-	73	18	8	29, 84	59+	54-
	n Ophiuchi.	71	4	12	2	66	50	29						
13.	☉ Upper L.	29	13	4	0-	27	57	49½				29, 95	61+	62-
	☉ Lower L.	30	6	3	11	28	29	26	28	29	23½			
	α Orionis.	47	1	1	0	44	7	29,1				29, 95	62-	61+

In JUNE MDCCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♂ 13.	♄ Upper L. <i>Arcturus.</i>	47	8	10	8	44	34	12+	44	34	11	29, 99	63	64-
		33	1	5	1	31	00	52,9				30, 00	61	57½
♀ 14.	♄ Upper L. Very hazy.	52	5	0	11::	49	2	45½	49	2	44	29, 87	62	65
♂ 15.	☉ Lower L.	30	4	9	0	28	23	32½				30, 00	61	66½
	☉ Upper L.	29	11	9	3	27	51	57	27	51	54½			
♂ 17.	<i>Arcturus.</i>	33	1	5	0	31	00	51,9				29, 93	58	50½
	♄ <i>Librae.</i>	70	14	4	8	66	27	43,9						
	♄ Upper L.	67	1	10	2	62	54	30-	62	54	30	29, 97	57	49+
	1 v } <i>Librae.</i>	71	3	1	2-	66	44	33						
	1 i }	74	15	10	4	70	17	29,9						
	<i>Jupiter's Center.</i>	78	1	15	2	73	14	20½	73	14	21	30, 00	57	48-
☉ 18.	♄ Upper L.	71	7	13	0	67	1	13	67	1	11	30, 04	57	54
	π } <i>Scorpii.</i>	81	14	13	3	76	48	22,5						
	2 ω }	76	6	5	10	71	37	21,5						
	v }	74	14	13	2	70	14	36,5						
	19 }	79	15	11	0	74	58	54						
	<i>Antares.</i>	82	6	14	2	77	16	42,2						
	11 or 28 <i>Ophiuchi.</i>	48	6	14	8	45	24	18,2						
	<i>Jupiter's Center.</i>	78	1	12	0	73	13	39	73	13	38	30, 02	56	53
♂ 19.	☉ Lower L.	30	2	10	1	28	26	44½				30, 05	59½	68½
	♄ Upper L.	75	1	14	7	70	25	27½	70	25	27	30, 06	60+	64-
♂ 20.	☉ Upper L.	29	9	7	6	27	44	31½				30, 18	60-	65
	☉ Lower L.	30	2	7	3	28	16	7+	28	16	6			
	<i>Jupiter's Center.</i>	78	1	5	8	73	12	15	73	12	15	30, 21	60	59
	ξ <i>Serpentis.</i>	71	1	11	5	66	39	46						
	♄ Upper L.	77	10	2	12	72	47	2½	72	47	0	30, 21	60	58
	b <i>Sagittarii.</i>	80	3	2	3	75	11	2,2						
♀ 21.	☉ Lower L.	30	2	6	0	28	15	51				30, 11	62	70-
	☉ Upper L.	29	9	6	6	27	44	18½	27	44	17			
	<i>Arcturus.</i>	33	1	5	2	31	00	53,9				30, 03	64-	63½
♂ 22.	<i>Arcturus.</i>	33	1	5	0	31	00	51,9				29, 85	62	60+
	<i>Jupiter's Center.</i>	78	0	15	0	73	10	47,8	73	10	49	29, 89	60	55
	c <i>Herculis.</i>	16	11	15	4	15	42	2,1						
	30 <i>Scorpii.</i>	82	12	13	7	77	37	39,6						
	♄ Upper L.	78	2	11	5	73	17	2	73	17	1	29, 91	58	50+
	1 } <i>Capricorni.</i>	68	13	5	7	64	31	55,1						
	4 }	78	14	2	9	73	57	18,5						
♀ 23.	☉ Lower L.	30	2	9	7	28	16	37½				29, 98	59½	64½
	☉ Upper L.	29	9	10	0	27	45	5+	27	45	4			
	ε <i>Scorpii.</i>	90	13	0	8	85	8	20,2						
	<i>Jupiter's Center.</i>	78	0	11	9	73	10	4	73	10	5	29, 97	60	55+
	λ <i>Scorpii.</i>	93	15	0	8	88	4	7,1						
	♄ Upper L.	75	15	12	1	71	14	8+	71	14	7	29, 94	58	51
	φ } <i>Capricorni.</i>	77	14	14	8	73	3	40,7						
	30 }	75	1	11	5-	70	24	46						
♂ 24.	☉ Upper L. { Hazy.	29	9	14	7	27	46	5				29, 91	61	68½
	☉ Lower L. { Hazy.	30	2	14	4	28	17	40½	28	17	38			
☉ 25.	☉ Lower L.	30	3	4	4	28	18	59,5	28	18	58-	29, 88	62	68½
	<i>Venus's Center.</i>	38	13	0	10	36	23	22,2	36	23	19	30, 05	62	67+
	<i>Capella. Faint.</i>	6	2	4	0	5	45	24,6						
♂ 26.	☉ Upper L.	29	10	13	0	27	49	16-				30, 07	64+	74-
	☉ Lower L.	30	3	12	11	28	20	52	28	20	51			
	<i>Syrus.</i>	72	5	14	0	67	50	39				30, 07	64+	74-
	<i>Arcturus.</i>	33	1	5	0	31	00	51,9				30, 10	66	68½
	<i>Jupiter's Center.</i>	78	0	2	9	73	8	5,4	73	8	4	30, 12	64	62+
	♄ Upper L.	62	4	2	5	58	22	5	58	22	6	30, 05	62-	54½
♂ 27.	☉ Lower L.	30	4	6	10	28	23	3				29, 97	65	74
	☉ Upper L.	29	11	7	7	27	51	34½	27	51	33			
♀ 28.	☉ Upper L.	29	12	3	3	27	54	9				29, 83	64	65½
	☉ Lower L.	30	5	3	0	28	25	44+	28	25	44			
	<i>Antares.</i>	82	6	14	6	77	16	46,2				29, 92	61	56
	<i>Jupiter's Center.</i>	77	15	12	5	73	6	42+	73	6	41	29, 93	61	55½
	♄ Upper L. Faint.	50	13	7	4	47	39	48½	47	39	48	29, 91	60-	54
♂ 29.	☉ Lower L.	30	6	0	10	28	28	45,6	28	28	42	29, 83	62	66-
☉ JULY 2.	☉ Upper L.	30	0	5	8	28	8	44				29, 74	59+	63+
	☉ Lower L.	30	9	5	7	28	40	21½	28	40	21			
	<i>Aldebaran.</i>	37	13	5	0	35	28	3,1				29, 91	58	58-
	<i>Capella.</i>	6	2	4	0	5	45	24,6						

In JULY MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
3.	☉ Lower L. ☉ Upper L.	30	10	10	6	28	44	57+	28	13	22	29, 89	59+	62½
4.	☉ Upper L.	30	3	2	0	28	18	29+	28	50	2	29, 62	58	65
	☉ Lower L.	30	12	1	10	28	50	4½						
	<i>Arcturus.</i>	33	1	5	0	31	00	51,9						
	<i>Jupiter's Center.</i>	77	14	11	12	73	3	5						
												29, 57	60+	61-
5.	☉ Lower L. ☉ Upper L.	30	13	10	8	28	55	32	28	23	57	29, 42	60	67
		30	4	11	1	28	24	0-						
7.	☉ Upper L.	30	8	2	2	28	36	5,9				29, 52	61	66½
9.	☉ Lower L.	31	5	0	0	29	21	19,7	28	49	52	29, 65	58	63
	☉ Upper L.	30	12	1	0::	28	49	54,4						
12.	☉ Lower L.	31	11	10	8	29	44	45	29	13	11	29, 47	63	70
	☉ Upper L.	31	2	11	0	29	13	12						
13.	☉ Lower L.	31	14	1	8	29	53	19+	29	21	42	29, 39	63-	66+
	☉ Upper L.	31	5	1	11	29	21	44						
14.	☉ Upper L.	31	7	10	6	29	30	39½	30	2	15	29, 65	62	68+
	☉ Lower L.	32	0	10	5	30	2	17-						
	<i>Arcturus.</i>	33	1	5	0	31	00	51,9						
15.	☉ Lower L.	32	3	4	8	30	11	33½	29	39	59	29, 06	61	65½
	☉ Upper L.	31	10	4	11½	29	39	58½						
16.	☉ Upper L.	31	13	0	11	29	49	38+	30	21	13	29, 57	58	61
	☉ Lower L.	32	6	0	7	30	21	12½						
	☉ Upper L. When Center past	73	7	5	6	68	52	3½						
17.	☉ Lower L.	32	8	14	4	30	31	16	29	59	41	29, 63	59	66
	☉ Upper L.	31	15	14	9	29	59	42½						
	<i>Jupiter's Center.</i>	77	13	1	1	72	57	11,4						
	<i>28 Scorpii.</i>	77	7	9	5	72	37	55,2						
	☉ Upper L.	76	8	6	7:	71	44	53½						
19.	☉ Lower L.	32	14	14	9	30	52	26,7	30	52	26	29, 51	61+	67½
	☉ Upper L. The most distinct.	78	10	6	10	73	44	8						
	☉ Lower L.	79	3	12	5	74	17	1						
	<i>α Aquilæ.</i>	46	1	8	0	43	12	46,4						
20.	☉ Lower L.	33	2	1	4	31	3	34	30	31	58	29, 54	62	67-
	☉ Upper L.	32	9	1	6	30	31	57½						
	<i>Jupiter's Center.</i>	77	12	13	5	72	56	22,6						
22.	<i>Capella.</i>	6	2	4	1	5	45	25,6						
23.	☉ Lower L.	33	12	2	2	31	38	54½	31	7	20	29, 60	60½	63½
	☉ Upper L.	33	3	2	6	31	7	20+						
24.	☉ Upper L.	58	8	10	6	54	52	55+	54	52	52	29, 63	58	50
25.	☉ Upper L.	52	10	11	0	49	22	34½	49	22	32	29, 91	58	54½
26.	☉ Upper L.	33	14	1	6:	31	45	47,3	44	8	26	29, 88	61	68
	☉ Upper L.	47	1	5	3	44	8	25						
27.	☉ Lower L.	34	10	14	3	32	30	47	31	59	12	29, 69	61	67½
	☉ Upper L.	34	1	14	7	31	59	12½						
	<i>α Lyrae.</i>	13	12	2	1	12	53	53,6						
28.	<i>α Lyrae.</i>	13	12	2	3	12	53	55,6				29, 92	56½	59½
29.	☉ Upper L.	34	9	13	3	32	27	2,8	32	58	41	30, 05	60+	64½
	☉ Lower L.	35	2	13	3	32	58	41,3						
	<i>Aldebaran.</i>	37	13	4	11	35	28	0,9						
	☉ Center. Estimated.	35	0	4	6	32	49	43½						
	<i>Capella.</i>	6	2	4	2	5	45	26,6						
	<i>Rigel.</i>	63	15	2	3½	59	56	58,9						
30.	☉ Lower L.	35	6	14	8	33	13	3+	32	41	30	29, 87	61½	67
	☉ Upper L.	34	13	14	12	32	41	20						
AUG. 2.	☉ Upper L.	35	10	11	9	33	26	28½				29, 85	63½	70
	☉ Lower L.	36	3	11	10	33	58	8-	33	58	6			
4.	☉ Lower L.	36	12	10	9	34	29	32,1				29, 84	66	74
5.	☉ Upper L.	36	8	4	5	34	14	5+	34	45	46	29, 78	66+	71½
	☉ Lower L.	37	1	4	8	34	45	46½						
6.	☉ Lower L.	37	5	15	4	35	2	11+	34	32*	32	29, 74	66	71
	☉ Upper L.	36	12	15	2	34	30	31						
8.	☉ Upper L.	37	6	8	4	35	4	10	35	35	54	29, 76	65	71
	☉ Lower L.	37	15	8	9:	35	35	53½						
10.	☉ Lower L.	38	9	6	3	36	10	30½	35	38	53	29, 74	64+	67+
	☉ Upper L.	38	0	6	6	35	38	55						
	<i>Antares.</i>	82	6	14	10	77	16	50,2						

In AUGUST MDCCCLVIII.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
4	10.	Jupiter's Center.	77	12	15	8	72	56	52	72	56	53			
♀	11.	☉ Upper L.	38	5	6	12	35	56	36-				29, 87	64-	68-
		☉ Lower L.	38	14	7	2	36	28	17½	36	28	16			
		Arcturus.	33	1	5	0	31	00	51,9						
		☿ Upper L.	67	11	10	9::	63	29	46,1	63	29	44	29, 87	65+	70-
♂	12.	☉ Lower L.	39	3	8	10	36	46	13+				29, 84	63	69
		☉ Upper L.	38	10	8	10	36	14	35-	36	14	34			
		☿ Upper L.	71	13	15	3	67	22	48	67	22	49	29, 80	67	65
☉	13.	☉ Upper L.	38	15	11	7	36	32	46				29, 83	63	66
		☉ Lower L.	39	8	12	0	37	4	30½	37	4	30			
♀	16.	☉ Lower L.	40	8	10	5	38	0	24+				29, 90	65	65½
		☉ Upper L.	39	15	10	7	37	28	48	37	28	49			
4	17.	☉ Lower L.	40	14	1	10	38	19	36+				29, 95	63	64
		☉ Upper L.	40	5	2	0::	37	48	1	37	47	59			
		Jupiter's Center.	77	13	12	9	72	59	44½	72	59	44	29, 94	66-	64
		☿ Lower L.	76	8	3	2	71	43	49	71	43	50	29, 94	63	58½
		☿ } Capricorni.	77	14	14	8	73	3	40,7						
		30 }	75	1	11	6	70	24	47						
		1 }	73	14	6	8	69	16	55,2						
♀	18.	☿ Lower L.	72	10	11	9	68	7	43½				29, 95	61	50-
		☿ Upper L.	72	1	1	11	67	33	55	67	33	54			
		Saturn's Center.	68	7	8	9	64	11	31	64	11	29			
		* } Aquarii.	60	11	6	4	56	55	3,4						
		1 g }	76	4	8	1	71	30	50,2						
♂	19.	☉ Upper L.	41	0	2	0	38	26	41,4				30, 08	62	60½
		☉ Lower L.	41	9	2	8	38	58	27,8	38	58	28			
☉	20.	Jupiter's Center. Faint.	77	14	4	0	73	1	20	73	1	20	30, 15	67½	71½
		☿ Upper L.	61	2	3	8	57	19	4½	57	19	3½	30, 13	62	59+
		44 Piscium.	54	3	15	5	50	51	25,6						
		12 Ceti.	60	8	7	6	56	44	45,8						
		Venus's Center.	32	8	7	4	30	29	44-	30	29	44	30, 10	63	67+
♂	21.	☉ Upper L.	41	11	6	10	39	6	24½				30, 06	70+	60
		☉ Lower L.	42	4	7	5	39	38	11	39	38	10			
		☿ Upper L.	55	0	4	9	51	34	46½	51	34	44½	29, 76	63½	61-
		42 } Ceti.	56	12	10	1	53	14	24,1						
		43 }	56	11	8	7	53	10	32,8						
♂	22.	☉ Lower L.	42	10	3	0	39	58	18,9				29, 75	66½	74-
		☉ Upper L.	42	1	2	7	39	26	34,3	39	26	31			
		α Lyrae.	13	12	1	10	12	53	49,4						
		☿ Upper L.	49	1	0	10	45	59	56	45	59	56	29, 78	63	55½
		Syrius.	72	5	12	11	67	50	23,9				29, 89	62½	59
		Procyon.	48	10	13	8	45	38	8,8						
		Venus's Center.	32	13	12	7	30	48	27½	30	48	25	29, 92	62+	61½
♀	23.	☉ Upper L.	42	6	14	8	39	46	48+				29, 94	64	65
		☉ Lower L.	42	15	15	3	40	18	35-	40	18	34			
		Arcturus.	33	1	5	0-	31	00	51,9				29, 96	66	68+
		☿ Upper L.	43	10	6	3	40	55	16½	40	55	18	29, 93	60	53½
		α Orionis.	47	1	0	8	44	7	23,9				29, 92	62	61½
4	24.	☉ Lower L.	43	5	12	8	40	39	06				29, 85	64½	69-
		☉ Upper L.	42	12	12	4	40	7	23½	40	7	22			
☉	27.	☉ Lower L.	44	7	9	2	41	41	37+				9, 65	62+	64+
		☉ Upper L.	43	14	8	8	41	9	51½	41	9	50			
		Saturn's Center.	68	11	13	5	64	26	36½	64	26	37	29, 60	60	56-
♂	29.	☉ Lower L.	45	3	10	1	42	24	0½				29, 50	60	64
		☉ Upper L.	44	10	9	7	41	52	15	41	52	14			
		α Lyrae.	13	12	1	7	12	53	46,4						
		α Aquilae.	46	1	7	4:	43	12	37,2				29, 62	59	58
		α Cygni.	7	8	3	5	7	2	37,1						
		Saturn's Center.	68	12	12	2	64	29	51	64	29	50	29, 63	58½	56-
♀	30.	☉ Upper L.	45	0	11	3	42	13	43				29, 65	60-	65
		☉ Lower L.	45	9	12	1	42	45	32½	42	45	31			
4	31.	☉ Lower L. Hazy.	45	15	14	7:	43	7	10,6						
		☉ Upper L.	45	6	14	2::	42	35	27,2	42	35	30			
♀ SEPT. 1.		α Orionis.	47	1	0	0	44	7	15,9				29, 86	56-	49½
		Syrius.	72	5	12	0	67	50	12,9						
		Castor.	20	5	10	0	19	4	46,5						
		Procyon.	48	10	13	3	45	38	3,8						
		Pollux.	24	6	8	10	22	53	1,1				29, 90	56	54

In SEPTEMBER MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
b	2.	☉ Upper L.	46	3	4	6	43	19	1½			29, 91	60	59	
		☉ Lower L.	46	12	5	6	43	50	53	43	50	53			
d	5.	☉ Lower L.	47	15	4	2	44	57	23,8	44	57	23	29, 78	60	64½
g	6.	☉ Upper L.	47	12	9	0	44	47	55½			29, 60	60	64+	
		☉ Lower L.	48	5	10	0	45	19	46½	45	19	44			
u	7.	☉ Lower L.	48	12	0	1	45	42	12+			29, 87	59½	63+	
		☉ Upper L.	48	2	15	3	45	10	22½	45	10	23			
q	8.	Saturn's Center.	69	1	4	0	64	45	38½	64	45	36	29, 70	58	55
b	9.	☉ Upper L.	48	15	13	0	45	55	35½			29, 97	59	62-	
		☉ Lower L.	49	8	14	3	46	27	30	46	27	30			
		☉ Upper L.	74	4	7	5	69	38	11	69	38	13	29, 98	60	60+
o	10.	☉ Lower L.	49	15	5	9	46	50	14			30, 08	58-	61-	
		☉ Upper L.	49	6	5	0::	46	18	26	46	18	24			
		☉ Upper L. Hazy.	77	0	10	6	72	13	35-	72	13	34	30, 06	59	60
d	11.	Castor.	20	5	10	3	19	4	49,5						
		Procyon.	48	10	13	7	45	38	7,8			30, 04	56	54½	
		Venus's Center.	38	5	10	2	35	57	18½	35	57	16	30, 04	56½	58-
g	12.	☉ Upper L.	50	3	4	10	47	4	5,5	47	4	3			
		α Lyræ.	13	12	1	11	12	53	50,4						
		☉ Lower L.	79	6	1	2	74	25	6-	74	25	7	29, 98	59	57+
		1 h } Sagittarii.	81	14	12	7	76	48	13,3						
		1 e }	72	13	0	3	68	15	45,2						
		f }	76	8	8	3	71	44	56						
		α } Aquilæ.	46	1	7	6	43	12	39,2						
		β }	48	10	14	1	45	38	14,9						
		α Cygni.	7	8	3	7	7	2	39,1						
g	13.	☉ Upper L.	50	9	13	6	47	27	6-			29, 98	58	62	
		☉ Lower L.	51	2	15	0	47	59	4½	47	59	4			
q	15.	Saturn's Center.	69	4	1	8	64	55	40	64	55	39			
		ξ Aquarii.	56	3	7	2	52	42	7,1						
		☉ Lower L.	70	7	2	3	66	2	36	66	2	35	29, 97	56½	53-
		1 τ } Aquarii.	71	3	6	6	66	45	42,9						
		2 τ }	70	11	8	3	66	17	58,8						
		Fomalhaut.	87	11	14	1	82	15	30,9						
		Venus's Center.	39	13	14	4	37	22	36-	37	22	35	29, 79	57-	59½
b	16.	☉ Upper L.	51	13	9	0	48	36	26-			29, 77	58	60-	
		☉ Lower L.	52	6	10	8	49	8	25½	49	8	23			
		β } Draconis. N.	1	1	6	0	1	1	5,1						
		γ } Draconis. N.	0	0	15	0	0	3	17,8						
		α Lyræ. last wire.	13	12	1	8	12	53	47,4						
		51 Draconis. N.	1	10	10	8	1	33	44,2						
		κ } Cygni. N.	1	8	14	6	1	27	33,1						
		ι }	0	4	3	6	0	14	49,3						
		θ }	1	14	11	5	1	47	58,1						
		γ } Aquilæ.	44	2	14	0	41	25	6,4						
		α }	46	1	7	5	43	12	38,2			29, 67	58	56	
		β }	48	10	14	1	45	38	14,9						
		20 Cygni. N.	0	15	9	0	0	54	42,7						
		☉ Lower L.	64	14	3	10	60	50	2½	60	50	1	29, 62	57+	55½
o	17.	12 Ceti.	60	8	7	3	56	44	42,8						
		☉ Lower L.	58	11	4	10	55	2	13	55	2	13	29, 66	57+	56-
		21 Ceti.	65	9	9	7	61	29	59,1						
d	18.	☉ Upper L.	51	13	0	10	48	34	37+	48	34	35	29, 73	55	50+
		ξ Piscium.	52	12	5	0	49	28	17,2						
		α Arietis.	31	1	10	6	29	9	33,8						
g	19.	☉ Upper L.	45	14	1	6	43	0	47+	43	0	48	29, 77	54-	50½
		γ } Ceti.	52	8	9	4	49	15	10,2						
		μ }	45	3	5	1	42	22	54,7						
g	20.	☉ Upper L.	53	8	0	11	50	9	33,5						
		☉ Upper L.	40	11	1	0	38	8	53½	38	8	52	29, 81	51½	43½
		13 } Tauri.	34	11	11	0	32	33	35,3						
		14 }	34	12	2	1	32	35	8,6						
		24 Eridani.	56	15	4	10	53	23	46,8						
u	21.	☉ Lower L.	54	7	12	10	51	4	55			29, 82	53	52	
		☉ Upper L.	53	14	11	3	50	32	56	50	32	54			
		α Lyræ.	13	12	1	6	12	53	45,4						
		α Aquilæ.	46	1	7	3	43	12	36,2			29, 84	53	49½	
		☉ Upper L.	36	8	10	0	34	15	19+	34	15	17	29, 86	51+	46

In OCTOBER MDCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♀ 22.	☉ Lower L. ☉ Upper L.	54	14	7	1	51	28	16½				29, 88	53	54+
♂ 23.	♄ Lower L. γ } <i>Geminorum.</i> ε } <i>Syrius.</i> ♄ } <i>Procyon.</i>	32	8	15	2	30	31	27+	30	31	26	30, 05	49	41+
		37	3	5	12	34	53	5,7						
		27	13	14	0	26	7	31,8						
		72	5	12	0	67	50	13				30, 05	49	44
		48	10	13	5	45	38	5,8						
☉ 24.	☉ Upper L. ☉ Lower L. γ } <i>Aquilæ.</i> left wire. α } β }	55	2	10	7	51	43	5½				30, 1	51½	53-
		55	11	12	8	52	15	11½	52	15	13			
		44	2	13	10	41	25	3,3				30, 14	52	48-
		46	1	7	5	43	12	38,2						
		48	10	13	11	45	38	11,8						
♂ 25.	☉ Lower L. ☉ Upper L. ♄ Lower L.	56	2	7	0	52	38	34+				30, 21	51+	54+
		55	9	5	5	52	6	34½	52	6	34			
		33	3	1	0	31	7	1	31	7	0	30, 08	51	50
♂ 26.	☉ Upper L. ☉ Lower L. α } <i>Aquilæ.</i> β } ♄ Lower L.	55	15	15	9	52	29	56-				30, 11	52	54-
		56	9	2	0:	53	2	5-	53	2	4			
		46	1	7	5	43	12	38,2				30, 17	52-	50-
		48	10	13	11	45	38	11,8						
		35	3	8	4	33	1	7+	33	1	6	30, 27	50+	40½
♀ 27.	☉ Lower L. ☉ Upper L.	56	15	12	3	53	25	25+				30, 28	52	56-
		56	6	10	11	52	53	28½	52	53	28			
♂ 28.	☉ Upper L. ☉ Lower L. α <i>Orionis.</i> H } η } μ } <i>Geminorum.</i> ν } γ } ε } ♄ } <i>Syrius.</i>	56	13	5	0	53	16	48				30, 37	53	58
		57	6	7	0	53	48	53	53	48	54			
		47	1	0	2	44	7	17,9						
		30	1	9	5	28	13	4,6						
		30	13	8	4	28	55	1,7						
		30	12	7	8	28	51	21,5				30, 42	49½	43½
		33	3	3	10½	31	7	37,9						
		37	3	5	10	34	53	3,7						
		27	13	13	12	26	7	30,6						
		72	5	11	10	67	50	9,7						
☉ Oct. 1.	☉ Lower L.	58	10	6	1:	54	58	59,5						
♂ 2.	☉ Lower L. ☉ Upper L.	59	1	0	4	55	22	20				30, 30	55	60
		58	7	14	8:	54	50	19	54	50	19			
♂ 9.	♄ Lower L. d } <i>Sagittarii.</i> x } 50 } ♄ } <i>Saturn's Center.</i> ♄ } <i>Venus's Center.</i>	79	11	13	1	74	45	17½	74	45	19	29, 29	51	46
		75	8	2	7	70	47	25,9						
		80	14	1	6	75	49	32,3						
		78	9	0	6	73	39	14,4						
		69	11	3	8	65	20	43	65	20	42	29, 33	49½	43
		50	15	4	8	47	46	15-	47	46	14	29, 57	48½	48+
♂ 10.	☉ Upper L. ☉ Lower L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } ♄ Lower L. 4 } <i>Capricorni.</i> β } p } <i>Cygni.</i>	61	12	5	10	57	54	42+				29, 60	50	52
		62	5	8	3	58	26	53+	58	26	53			
		13	12	1	7	12	53	46,4						
		44	2	13	11	41	25	4,3						
		46	1	7	4	43	12	37,2						
		78	15	4	3	74	1	10-	74	1	10	29, 68	49	45-
		78	14	3	0	73	57	22,7						
		71	6	13	5	66	57	47						
		74	11	1	7	70	1	30,5						
		7	8	3	3	7	2	35,1						
♀ 11.	☉ Lower L. ☉ Upper L. ♄ Lower L.	62	11	15	8	58	49	36				29, 72	49+	50½
		62	2	13	2	58	17	25+	58	17	23			
		76	10	3	11	71	51	0	71	51	0	29, 73	48½	45
♂ 12.	♄ Lower L. ♄ } <i>Saturn's Center.</i> ζ } <i>Pegasi.</i> 1 g } <i>Aquarii.</i> ♄ } <i>Fomalhaut.</i> α } <i>Orionis.</i> H } η } μ } <i>Geminorum.</i> ν } γ } ε } ♄ } <i>Syrius.</i> ♄ } <i>Venus's Center.</i>	72	14	0	8	68	19	21	68	19	21	29, 85	47	41
		69	11	12	0	65	22	33½						
		44	10	12	9	41	52	56,6						
		76	4	8	0	71	30	49,2						
		87	11	14	0	82	15	29,9						
		47	1	0	1	44	7	16,9						
		30	1	9	4	28	13	3,6						
		30	13	8	3	28	55	0,7						
		30	12	7	8½	28	51	22						
		33	3	3	12	31	7	39,4				29, 94	45	36
		37	3	5	10	34	53	3,7						
		27	13	13	11	26	7	29,6						
		72	5	12	0	67	50	13						
		52	7	15	0	49	12	54+	49	12	56	30, 02	46-	45-
♀ 13.	☉ Upper L.	62	15	10	5	59	2	31				30, 03	47	49½

In OCTOBER MDCC LVIII.															
DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.		
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.	Deg.
♀ 13.	☉ Lower L. γ Draconis. α Lyræ. ☽ Lower L.	N.	63	8	13	5	59	34	49	59	34	49			
			0	0	15	0	0	3	17,8						
			13	12	1	8	12	53	47,4						
			67	14	5	0	63	39	4	63	39	2	30, 08	47	45½
♂ 14.	♊ Piscium. ☽ Lower L.		48	15	14	8	45	55	56,6						
			62	0	9	8	58	9	36½	58	9	36	29, 94	49½	50
☉ 15.	☉ Lower L. ☉ Upper L. 60 } Piscium. 62 } ☽ Lower L. ♊ Piscium. 38 Ceti.		64	5	8	5	60	19	25+				30, 11	50-	53-
			63	12	6	0	59	47	15½	59	47	14			
			49	1	12	1	46	2	25,1						
			48	3	4	10	45	11	35,5						
			55	11	12	12	52	15	15½	52	15	16	30, 31	49	48+
			48	2	13	11	45	10	4,3						
			57	4	14	11	53	43	34,3						
♂ 16.	☉ Lower L. ☉ Upper L. Arcturus. γ Draconis. α Lyræ. γ } Aquilæ. α } β } Saturn's Center. ☽ Lower L. 1 ♄ Ceti. 1 ♄ Arietis. o Ceti. α Orionis. H } η } μ } Geminorum. ν } γ } ε } Syrius. Procyon.	N.	64	11	13	4	60	41	35½				30, 49	48½	48½
			64	2	10	6	60	9	19½	60	9	18	30, 49	48½	48½
			33	1	5	2	31	00	53,9						
			0	0	14	12	0	3	16,6						
			13	12	1	7	12	53	46,4				30, 50	48	43½
			44	2	13	10	41	25	3,3						
			46	1	7	3	43	12	36,2						
			48	10	13	11	45	38	11,8						
			69	12	5	3	65	24	35+	65	24	34	30, 51	47	39½
			49	7	6	4	46	22	16½	46	22	14	30, 50	46	38-
			46	10	12	9	43	45	26,6						
			34	13	15	10	32	41	39,9						
			59	3	13	5	55	32	14,2						
			47	1	0	1	44	7	16,9						
			30	1	9	4	28	13	3,6						
			30	13	8	1½	28	54	59,2				29, 95	45	35-
			30	12	7	9	28	51	22,5						
			33	3	3	11	31	7	38,4						
			37	3	5	8	34	53	1,7						
			27	13	13	12	26	7	30,6						
			72	5	12	2	67	50	15						
			48	10	13	4	45	28	4,8						
♂ 17.	π } Arietis. σ } ☽ Upper L. ♄ Arietis. Regulus. Venus's Center.		37	5	11	0	35	1	14,7						
			39	14	2	3	37	23	27,5						
			43	1	8	0	40	24	1½	40	24	0	30, 09	45	39
			34	13	9	2	32	40	12,8				29, 94	44	42½
			40	14	2	0	38	19	39,5				29, 92	45+	48+
			55	1	8	4	51	39	5½	51	39	6			
♂ 18.	☉ Upper L. ☉ Lower L. Arcturus.		64	15	2	5	60	53	15½				29, 90	46+	49½
			65	8	5	4	61	25	32½	61	25	35			
			33	1	5	3½	31	00	55,4						
♂ 19.	☽ Upper L.		34	8	12	1	32	23	16½	32	23	16	29, 96	46+	41½
♀ 20.	☉ Lower L. ☉ Upper L. Arcturus.		66	4	10	6	62	8	51½				30, 01	46½	48½
			65	11	7	10	61	36	37½	61	36	38			
			33	1	5	4½	31	00	56,4				30, 01	46½	48½
♂ 21.	☉ Upper L. ☉ Lower L. γ } Geminorum. last wire. ε } ☽ Lower L. m } Geminorum. λ }		66	1	9	5	61	58	4½				29, 78	48	50
			66	10	12	4	62	30	21½	62	30	21			
			37	3	5	8	34	53	1,7						
			27	13	14	0	26	7	31,8						
			31	15	1	5	29	56	47+	29	56	46	29, 60	46-	42-
			28	12	2	6	26	57	43,6						
			36	13	0	8	34	30	50,2						
☉ 22.	☉ Lower L.		67	0	13	0	62	51	36,4						
♂ 23.	☉ Upper L. ☉ Lower L. Arcturus.		66	13	10	10	62	40	34				29, 39	50	56
			67	6	13	11	63	12	53	63	12	50			
			33	1	5	6	31	00	57,9						
♂ 24.	☽ Lower L.		36	12	13	6	34	30	8½	34	30	8	29, 33	49	43
♂ 25.	☉ Lower L.		68	2	11	6:	63	54	32,9						
♂ 26.	☽ Lower L. Hazy and faint.		44	7	12	10 ::	41	42	25-	41	42	25	29, 90	45	40
♀ 27.	☽ Center. Estimated. Arcturus.		48	13	13	0	45	48	33,6						
			33	1	5	8 ::	31	00	59,9						
♂ 28.	☉ Upper L. ☉ Lower L.		68	10	15	2	64	23	29				29, 33	50	53
			69	4	2	7:	64	55	52	64	55	52			
♂ 30.	☉ Upper L. ☉ Lower L.		69	6	3	11	65	3	11				29, 44	52	54-
			69	15	7	0	65	35	31+	65	35	30			
♂ 31.	☉ Upper L.		69	11	13	0	65	22	46½				29, 24	53	56

In NOVEMBER MDCCCLVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divis. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.		
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.	
♂ 31.	☉ Lower L. <i>Venus's</i> Center.	70	5	0	2	65	55	6½	65	55	6	29, 53	51	52-	
♀ NOV. 1.	☉ Lower L.	70	10	7	10	66	14	21,7							
♂ 2.	☉ Lower L. Hazy.	70	15	15	0:	66	33	31,8				29, 41	54+	59½	
	☉ Upper L.	70	6	11	12:	66	1	12½	66	1	10				
	α <i>Lyræ</i> .	13	12	1	10	12	53	49,4							
	Arcturus.	33	1	5	10	31	1	1,9				29, 50	51	48	
♀ 3.	☉ Upper L.	70	12	1	2	66	19	56½				29, 50	51+	51½	
	☉ Lower L.	71	5	4	8	66	52	20½	66	52	20				
	γ } <i>Aquilæ</i> .	44	2	14	0	41	25	6,4							
		α }	46	1	7	5	43	12	38,2				29, 50	52½	52½
		β }	48	10	14	1	45	38	14,9						
	α <i>Cygni</i> .	7	8	3	1	7	2	33,1							
	γ } <i>Aquilæ</i> .	44	2	14	0	41	25	6,4							
		α }	46	1	7	6	43	12	39,2				29, 62	52	48+
		β }	48	10	14	1	45	38	14,9						
	☉ 5.	α <i>Lyræ</i> . ☉ Lower L. Very faint. α <i>Cygni</i> .	13	12	1	11	12	53	50,4	74	56	31	29, 57	50+	48+
♂ 6.	☉ Lower L.	72	4	14	8	67	47	16+				29, 63	47	46½	
	☉ Upper L.	71	11	11	8	67	14	58+	67	14	57				
♂ 7.	☉ Upper L.	72	0	12	10	67	32	48+				29, 46	51	56	
	☉ Lower L.	72	10	0	5	68	5	14½	68	5	14				
♀ 8.	☉ Lower L.	72	15	0	0	68	22	44				29, 18	52	55½	
	☉ Upper L.	72	5	12	7	67	50	20	67	50	21				
	☉ Lower L.	74	9	14	5	69	57	18	69	57	17	29, 35	52	52	
	μ <i>Capricorni</i> .	70	8	6	11	66	7	7,6							
	29 <i>Aquarii</i> .	74	3	0	7	69	33	9,8							
	Saturn's Center.	69	12	8	11	65	25	22½	65	25	26				
	Arcturus.	33	1	6	0	31	1	5				29, 56	52½	55	
♂ 9.	☉ Upper L.	72	10	11	0	68	7	34½				29, 58	53	55½	
	☉ Lower L.	73	3	14	4	68	39	56½	68	39	57				
	☉ Lower L.	70	2	13	9	65	47	33+	65	47	32	29, 71	53-	53	
	27 } <i>Aquarii</i> . last wire.	70	11	8	10	66	18	5,8							
		74 }	68	10	0	8	64	20	17,4						
		♂ }	73	1	11	0	68	32	11						
♀ 10.	☉ Lower L. Hazy.	73	8	11	3	68	56	50½				29, 81	54-	57-	
	☉ Upper L.	72	15	8	2	68	24	31½	68	24	32				
♂ 11.	☉ Upper L. Hazy.	73	4	3	8	68	41	6+				29, 93	52+	52½	
	☉ Lower L.	73	13	7	0	69	13	29½	69	13	30				
☉ 12.	☉ Lower L.	52	9	1	8	49	16	59½	49	17	0	30, 20	50	46½	
♂ 13.	☉ Lower L.	74	6	10	0	69	45	47½				30, 23	48	43	
	☉ Upper L.	73	13	6	6	69	13	22+	69	13	23				
	☉ Lower L.	46	8	10	9	43	37	58+	43	37	57	30, 20		45	
	γ } <i>Ceti</i> .	50	0	15	10	46	55	57,8							
		δ }	55	10	9	2	52	10	55						
		γ }	52	8	9	4	49	15	10,2						
♂ 14.	☉ Upper L.	74	1	14	0	69	29	5½				30, 01	46+	45-	
	☉ Lower L.	74	11	1	9	70	1	32½	70	1	32				
	☉ Lower L.	41	2	1	10:	38	33	40	38	33	39	29, 60	45	40	
♀ 15.	☉ Lower L.	36	11	8	7	34	25	33-	34	25	32	29, 47	44	39	
	10 } <i>Orionis</i> .	40	2	6	0	37	38	21							
		20 }	40	14	9	1	38	21	12,8						
		1 <i>Tauri</i> .	32	4	3	5	30	14	48,3						
	<i>Venus's</i> Center.	69	9	7	11	65	14	36½	65	14	37	29, 54	43	39	
♂ 16.	☉ Lower L.	75	3	12	4	70	32	0				29, 54	43½	40½	
	☉ Upper L.	74	10	9	0	69	59	38	69	59	37				
	☉ Upper L.	33	0	10	6	30	58	33-	30	58	32	29, 58	42	36-	
	130 } <i>Tauri</i> .	36	1	12	0	33	51	9,1							
		132 }	28	12	15	4	27	00	33						
		137 }	39	13	14	10	37	22	41,8						
		α <i>Orionis</i> .	47	1	0	5	44	7	20,9						
	♀ 17.	☉ Upper L.	74	14	12	0::	70	14	21,3				29, 58	44	46-
☉ Lower L.		75	8	0	0::	70	46	52,5	70	46	51				
☉ 19.	α <i>Aquilæ</i> .	46	1	7	7	43	12	40,2				29, 18	48	47	
♂ 20.	☉ Upper L.	75	10	11	4	70	56	23				29, 37	46	44+	
	☉ Lower L.	76	3	15	2	71	28	52½	71	28	53				
	☉ Lower L.	35	5	5	2	33	7	27½	33	7	26	29, 66	44	39	

In DECEMBER MDCC LVIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♂ 21.	♄ Leonis.) Lower L. 26 Sextantis. i Leonis.	45	1	6	10	42	16	15				29, 96	44-	36
		38	9	9	4	36	11	11			36	11	9	
		54	10	3	10	51	13	28,9						
		38	8	1	1	36	5	51,7						
♀ 22.	☉ Lower L. ☉ Upper L. 35 Sextantis. k } Leonis. l }) Lower L.	76	11	6	7	71	55	6½				30, 02	43+	38-
		76	2	2	9	71	22	37+	71	22	39			
		48	7	11	10	45	27	11,6						
		38	6	7	4	36	00	11,9						
		42	4	10	7	39	38	52,6						
		42	9	1	10	39	54	31½	39	54	31	30, 11	42	35
♂ 23.	☉ Upper L. ☉ Lower L.) Lower L.	76	5	12	4	71	35	17				30, 14	43	43-
		76	15	0	2	72	7	46	72	7	45			
		47	1	0	2-	44	7	18-	44	7	15	30, 14	43-	38
♀ 24.	☉ Lower L. ☉ Upper L. α Lyræ. α Aquilæ.) Lower L.	77	2	7	4	72	19	53+				30, 14	43	40½
		76	9	3	8	71	47	26	71	47	29			
		13	12	2	1	12	53	53,6						
		46	1	7	7	43	12	40,2				30, 08	44	41-
		51	14	8	6	48	39	49½	48	39	48	29, 98	40	31½
♂ 25.	☉ Upper L. ☉ Lower L. α Lyræ.	76	12	9	6½	71	59	16½				29, 94	41	57-
		77	5	13	3	72	31	44	72	31	45			
		13	12	2	1	12	53	53,6						
☉ 26.	☉ Lower L. ☉ Upper L.	77	9	1	2	72	48	8½				29, 91	39½	35-
		76	15	13	5	72	10	40½	72	10	42			
♂ 30.	☉ Upper L. ☉ Lower L.	77	11	11	5	72	52	25+				29, 88	39	33
		78	4	15	1	73	24	52½	73	24	54			
♂ DEC. 7.	☉ Lower L. ☉ Upper L.) Lower L. 11 } Piscium. 14 } Venus's Center.	79	5	2	4	74	21	50				29, 95	36	30
		78	11	14	6	73	49	21	73	49	24			
		66	12	3	7	62	35	28-	62	35	28	30, 09	36	28
		58	3	5	5	54	34	13,7						
		57	10	2	5	54	1	55,7						
		77	7	14	5	72	39	1	72	39	3	30, 33	33+	27-
♀ 8.	☉ Upper L. ☉ Lower L.) Lower L. 44 Piscium. 12 Ceti.	78	13	11	1	73	55	38+				30, 33	33½	28-
		79	6	15	3	74	28	11½	74	28	12			
		61	0	12	10	57	14	3+	57	14	4	30, 27	35	30½
		54	3	15	0	50	51	20,6						
		60	8	7	3	56	44	42,8						
♂ 11.	☉ Lower L. ☉ Upper L. Saturn's Center. Fomalhaut.	79	11	11	0	74	44	50+				29, 57	44½	46
		79	2	7	0	74	12	19+	74	12	20			
		69	3	9	2	64	53	48½	64	53	47	29, 62	44½	44½
		87	11	15	0	82	15	43,1				29, 62	44½	44½
♂ 12.	☉ Upper L.	79	3	12	3:	74	16	59				29, 10	46	49½
♀ 13.	☉ Lower L. ☉ Upper L. Saturn's Center. Aldebaran. i Tauri. 10 Orionis.) Lower L.) Upper L. Capella. Rigel. Venus's Center.	79	14	2	1½	74	53	26				29, 62	43	39
		79	4	14	2	74	20	55+	74	20	57			
		69	2	11	3	64	50	45	64	50	43	29, 72	43	37½
		37	13	4	3	35	27	52,9						
		35	4	3	12	33	3	40,3						
		40	2	6	1	37	38	22						
		34	14	6	1	32	43	3+						
		34	5	2	5:	32	10	36,1	32	10	35	29, 88	41+	35
		6	2	3	0	5	45	11,4						
		63	15	2	3	59	56	58,4						
		78	13	2	3	73	53	41½	73	53	41	30, 24	40	31
♂ 14.	☉ Lower L. ☉ Upper L.	79	15	2	2	74	56	57½				30, 24	40	31
		79	5	14	3	74	24	27+	74	24	28			
♂ 16.	) Lower L. 2 ♄ } Cancri. β }	32	2	10	3	30	9	16½	30	9	15	29, 93	44-	42
		26	15	0	0	25	15	14,1						
		44	5	2	10	41	33	11,1						
♂ 18.	) Lower L. v Leonis. Regulus. Venus's Center.	36	14	13	0	34	37	4½	34	37	2	29, 71	45	43-
		40	6	8	4	37	52	55,1						
		40	14	2	8	38	19	47,5						
		79	9	10	6	74	37	41+	74	37	42	29, 74	45	45-
♂ 19.	☉ Upper L. ☉ Lower L.	79	9	2	5	74	35	55				29, 74	45	45-
		80	2	6	6	75	8	27	75	8	28			
♂ 21.	☉ Upper L.	79	9	8	3	74	37	11,9				29, 74	46	50½
♀ 22.	☉ Lower L. Hazy. ☉ Upper L.	80	2	11	7	75	9	34				29, 75	45	44
		79	9	7	5	74	37	0½	74	37	2			
♀ 29.	☉ Lower L.	79	14	13	3	74	55	52,5				29, 28	40-	42

In JANUARY MDCCCLIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♂ JAN. 2.	☉ Center. Estimated.	73	1	8	6	68	31	37	68	31	36	29, 20	43	45
♀ 3.	☉ Lower L.	68	8	1	8	64	13	28½	64	13	27	29, 49	42	41½
♀ 5.	☉ Lower L.	56	14	9	5::	53	21	16,8				29, 74	45	41½
♂ 6.	☉ Upper L.	78	9	3	0	73	39	48				29, 66	42+	38½
	☉ Lower L.	79	2	7	0	74	12	19+	74	12	20			
	☉ Lower L.	50	14	11	0	47	44	8	47	44	7	29, 95	42	35+
	α Piscium.	53	3	2	1	49	52	15,2						
	64 Ceti.	46	15	8	2	44	2	1,5						
☉ 8.	☉ Lower L.	78	14	1	6	73	57	2+				29, 74	45	50-
	☉ Upper L.	78	4	13	5	73	24	30	73	24	29			
	☉ Lower L.	40	4	0	2	37	44	6-	37	44	4	29, 89	45	45½
	ε Tauri.	43	13	2	2	41	4	55,6						
	Aldebaran.	37	13	4	3	35	27	52,9						
	Capella.	6	2	2	10	5	45	8,2						
	Rigel.	63	15	2	9	59	57	4,4				29, 92	45	44
♀ 12.	☉ Lower L.	31	12	1	0	29	46	9½				29, 64	48	49
	☉ Upper L.	31	3	3	5	29	15	2½	29	15	1			
♂ 13.	☉ Upper L.	32	8	2	2	30	28	36	30	28	33	29, 98	45	43½
	♂ Hydra.	47	14	14	3	44	56	5,7						
	γ Cancri.	31	1	8	7	29	9	8,4						
☉ 14.	☉ Lower L.	35	8	11	1	33	19	18½	33	19	16	29, 99	47½	49-
♂ 15.	☉ Lower L.	38	15	9	0::	36	32	12,7						
♂ 16.	☉ Lower L.	43	1	11	8	40	24	49	40	24	48	30, 24	46½	45
♀ 17.	☉ Lower L.	47	11	7	7	44	44	4½	44	44	4	30, 05	46	48-
♂ 18.	☉ Lower L.	52	9	12	9	49	19	25½	49	19	27	30, 01	44	39-
	γ } Virginis.	55	0	5	0:	51	34	50,9						
	35 }	49	10	12	1	46	34	3,6						
♀ 19.	☉ Lower L.	76	13	7	0	72	2	14½				30, 03	43½	39½
	☉ Upper L.	76	4	3	0:	71	29	43+	71	29	42			
	☉ Lower L.	57	10	0	0-	54	1	24	54	1	22	30, 08	42	33½
	Arcturus.	33	1	5	12	31	1	3,9						
♂ 20.	☉ Upper L.	76	0	8	5	71	16	50½				30, 21	42	36+
	☉ Lower L.	76	9	12	6	71	49	22½	71	49	24			
	☉ Lower L.	62	9	10	2	58	41	22+	58	41	22	30, 36	40	29
	μ Virginis.	59	12	8	10	56	2	51,7						
	α Libræ.	70	14	4	5	66	27	40,9						
☉ 21.	☉ Lower L.	76	6	0	5	71	36	10½				30, 42	40	32½
	☉ Upper L.	75	12	12	4	71	3	38½	71	3	39			
	α Libræ.	70	14	4	3	66	27	38,9						
	☉ Lower L.	67	6	1	0	63	10	4-	63	10	5	30, 47	37	27
	1 ♀ Libræ.	71	3	0	10	66	44	27,8						
	1 ♂ Libræ.	74	15	9	7	70	17	19,7						
♂ 22.	☉ Lower L.	76	2	2	10	71	22	38				30, 48	38	34½
	☉ Upper L.	75	8	14	10	70	50	7	70	50	9			
	☉ Lower L.	71	12	3	5	67	16	41-	67	16	40	30, 32	37½	27
♂ 23.	☉ Lower L.	75	14	3	4	71	8	41½				30, 25	38	32
	☉ Upper L.	75	4	15	3	70	36	9½	70	36	9			
	α Cygni.	7	8	4	3	7	2	42,2						
	☉ Center. Estimated.	75	4	3	7::	70	33	35,3				30, 07	37½	36-
♂ 29.	☉ Upper L.	73	11	2	3	69	5	24½				30, 19	43	43
	☉ Lower L.	74	4	6	2	69	37	55	69	37	56			
♂ FEB. 1.	☉ Upper L.	72	12	15	4	68	15	33				30, 03	44	42½
	☉ Lower L.	73	6	3	3	68	48	3,2	68	48	4			
♂ 3.	☉ Lower L.	72	12	5	4	68	13	21+				30, 04	47	48-
	☉ Upper L.	72	3	1	5	67	40	51	67	40	52			
	☉ Lower L.	46	13	14	5	43	56	22-	43	56	20	30, 13	47-	46-
☉ 4.	☉ Upper L.	71	14	0	3	67	23	1				30, 36	44½	44½
	☉ Lower L.	72	7	4	2	67	55	31+	67	55	30			
	☉ Lower L. Very uncertain.	41	9	7	0::	38	59	25,7	38	59	24	30, 33	45	44
♂ 6.	☉ Lower L.	71	12	14	4	67	19	5-				30, 04	46	48
	☉ Upper L.	71	3	10	4	66	46	33½	66	46	35			
	☉ Lower L.	34	0	1	0	31	52	43+	31	52	41	30, 12	46+	45
	113 } Tauri.	37	5	6	7	35	00	15,8						
	o } Tauri.	31	11	15	2	29	45	45,1						
	119 }	35	4	8	2	33	4	36,2						
♀ 7.	☉ Lower L.	71	7	9	6	67	0	26+				30, 19	45	47
	☉ Upper L.	70	14	6	0:	66	28	2+	66	28	0			
	☉ Lower L.	32	1	8	10:	30	5	26½	30	5	25	30, 20	46	46½

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DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES						BARO- METER	THERMO- METER.						
		By the exterior Divisions.		By the exterior Divif. reduced.		By the interior Divifions.			With- in.	With- out.					
		Div.	Part.	Vern.	Sec.	D.	M.				S.				
									Inches.	Deg.	Deg.				
4	8.	Upper L. When Center past	31	0	6	8	29	5	12	29	5	11	30, 29	46	46
11.	Upper L.	69	8	7	7	65	11	2-					30, 23	45	50+
	Lower L.	70	1	11	6	65	43	32		65	43	30			
	Lower L.	37	9	10	3	35	15	8+					30, 35	45	41+
	Upper L.	37	0	14	6	34	44	25½		34	44	24			
	Leonis.	35	12	6	10	33	32	25,4							
	Regulus.	40	14	2	12	38	19	51,5							
12.	Lower L.	69	12	1	0	65	23	39½					30, 32	45	46+
	Upper L.	69	2	13	2	64	51	10+		64	51	9			
17.	Upper L.	67	5	11	8½	63	8	53		63	8	52			
19.	Upper L.	66	9	11	0	62	26	33½							
	Lower L.	67	2	13	12	62	58	50+		62	58	51	30, 32	43	42
4 MAR. 1.	H	30	1	9	7	28	13	6,6							
	μ	30	13	8	7½	28	55	5,2							
	ν	30	12	8	1	28	51	27,7							
	γ	33	3	4	3:	31	7	43,5					29, 55	46½	46½
	δ	37	3	6	6	34	53	12,9							
	ε	27	13	14	1	26	7	32,8							
	Syrius.	72	5	14	4	67	50	43							
5.	Aldebaran.	37	13	4	4	35	27	53,9							
	Lower L.	34	10	15	2	32	30	59		32	30	57	29, 47	44	42½
	Capella.	6	2	2	5	5	45	3,2							
	Rigel.	63	15	3	0	59	57	8,6							
	Geminorum.	30	13	8	5½	28	55	3,2							
6.	Lower L.	32	5	6	9	30	19	3-		30	19	2	29, 30	44	42
7.	Lower L.	60	12	10	5	56	59	28					29, 43	43	44½
	Upper L.	60	3	7	4	56	27	9		56	27	10			
	Aldebaran.	37	13	4	5	35	27	54,9							
	Capella.	6	2	2	7	5	45	5,2					29, 50	44	40
	Rigel.	63	15	3	1	59	57	9,6							
	Orionis.	47	1	1	0	44	7	29,1							
	H	30	1	9	5	28	13	4,6							
	μ	30	13	8	6	28	55	3,7							
	ν	30	12	8	0	28	51	26,7							
	γ	33	3	4	2	31	7	42,5							
	δ	37	3	6	4	34	53	10,9							
	ε	27	13	14	0	26	7	31,8							
	Upper L.	30	13	11	8	28	55	45+		28	55	44	29, 54	43	40
9.	Upper L.	59	6	3	2	55	40	32					29, 25	43½	46½
	Lower L.	59	15	6	0	56	12	48+		56	12	50			
	Upper L.	33	0	15	6	30	59	39-		30	59	37	28, 60	44	46
10.	Orionis.	47	1	1	0	44	7	29,1							
	H	30	1	9	7	28	13	6,6							
	μ	30	13	8	6	28	55	3,7							
	ν	30	12	8	0	28	51	26,7					29, 50	43	42-
	γ	33	3	4	1½	31	7	42							
	δ	37	3	6	5	34	53	11,9							
	ε	27	13	14	0	26	7	31,8							
	Syrius.	72	5	14	3	67	50	42,3							
	Castor.	20	5	10	2	19	4	48,5							
	Procyon.	48	10	14	8	45	38	21,9							
	Pollux.	24	6	9	2	22	53	6,3							
	Upper L.	35	14	0	0	33	37	58		33	37	56	29, 70	41½	36½
	Regulus.	40	14	3	0	38	19	52,7							
	Aquilæ.	46	1	8	11	43	12	57,4					29, 80	41	38
11.	Orionis.	47	1	1	0	44	7	29,1							
	H	30	1	9	6	28	13	5,6							
	μ	30	13	8	5½	28	55	3,2							
	ν	30	12	7	12	28	51	25,5					29, 40	43	40
	γ	33	3	4	2	31	7	42,5							
	δ	37	3	6	5	34	53	11,9							
	ε	27	13	14	0	26	7	31,8							
	Syrius.	72	5	14	3	67	50	42,3							
	Regulus.	40	14	3	0	38	19	52,7							
	Upper L.	39	8	14	9	37	5	6		37	5	7	29, 49	42	37½
	Lyræ.	13	12	4	1	12	54	20							
	Aquilæ.	46	1	8	9	43	12	55,4					29, 64	40	37+
	Cygni.	7	8	5	4	7	3	2,4							
12.	Orionis.	47	1	1	0-	44	7	29,1							

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DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
12.	H } η } μ } ν } γ } ε } Sirius. Castor. Procyon. Pollux. D Upper L.	30	1	9	6½	28	13	6,1				29, 83	44	43½
		30	13	8	6	28	55	3,7						
		30	12	8	0	28	51	26,7						
		33	3	4	2	31	7	42,5						
		37	3	6	4	34	53	10,9						
		27	13	14	0	26	7	31,8						
		72	5	14	3	67	50	42						
		20	5	10	3	19	4	49,5						
		48	10	14	8	45	38	21,9						
		24	6	9	2½	22	53	6,8						
		43	14	3	12	41	8	49½	41	8	48	29, 91	42½	40—
13.	H } η } μ } ν } γ } ε } A Virginis. D Upper L. c Virginis.	30	1	9	6	28	13	5,6				30, 11	46—	45½
		30	13	8	7	28	55	4,7						
		30	12	8	1	28	51	27,7						
		33	3	4	3	31	7	43,5						
		37	3	6	5	34	53	11,9						
		27	13	14	0	26	7	31,8						
		44	7	5	9	41	40	51,5						
		48	10	10	1	45	37	22+	45	37	22	30, 08	44	43—
		49	14	13	1	46	48	20,5						
16.	κ Virginis. D Lower L. 106 Virginis.	64	10	1	0	60	35	22,6				29, 55	44	38½
		64	3	10	7	60	12	51½	60	12	50			
		61	1	3	7	57	15	32,5						
17.	δ Libræ. D Lower L. β Libræ.	62	14	14	5	58	59	52,7				29, 84	43	38—
		68	14	1	10	64	34	36+	64	34	37			
		63	14	12	2	59	55	38,3						
18.	Venus's Center.	50	2	13	7	47	2	30+	47	2	30	29, 98	45	44+
22.	⊙ Lower L. ⊙ Upper L. D Center. Estimated.	54	8	1	1	51	5	51,7				30, 22	45	51+
		53	14	14	10	50	33	42,7	50	33	41			
		80	0	10	5::	75	2	16,8						
23.	⊙ Upper L. ⊙ Lower L.	53	8	3	3	50	10	5,1				30, 32	46	50½
		54	1	5	6	50	42	12,9	50	42	12			
26.	Castor. Procyon. Small * near Procyon. Pollux.	20	5	10	1	19	4	47,5				30, 08	47	48
		48	10	14	8½	45	38	22,4						
		48	11	14	5	45	41	49,9						
		24	6	9	1	22	53	5,3						
27.	⊙ Upper L. ⊙ Lower L. Venus's Center. Procyon. Small * near Procyon.	51	13	6	10	48	35	56				30, 04	48½	53
		52	6	9	2	49	8	6+	49	8	4			
		45	6	0	7	45	32	27½	45	32	28	30, 04	49	54
		48	10	14	9	45	38	22,9				30, 03	50	53
		48	11	14	6	45	41	50,9						
31.	⊙ Lower L. ⊙ Upper L. Venus's Center.	50	12	0	4	47	34	45+				29, 99	43½	39½
		50	2	14	0	47	2	36½	47	2	35			
		43	5	3	6	40	37	5,2				29, 99	44	41
APRIL 1.	⊙ Upper L. ⊙ Lower L.	49	12	4	10	46	39	29				30, 02	45½	53½
		50	5	7	0	47	11	37	47	11	35			
2.	⊙ Upper L. ⊙ Lower L. Venus's Center. D Lower L. Faint.	49	5	11	8	46	16	22½				30, 01	48½	53½
		49	14	13	6	46	48	25½	46	48	26	29, 99	49	54—
		42	5	4	0	39	40	57½	39	40	56	29, 91	50—	53+
		32	12	10	10:	30	44	33	30	44	32			
3.	⊙ Lower L. ⊙ Upper L. D Lower L. Very uncertain.	49	8	5	4	46	25	32½				29, 65	47	52½
		48	15	3	4	45	53	27½	45	53	29			
		31	4	15	0::	29	21	6,5						
5.	⊙ Upper L. ⊙ Lower L. D Upper L.	48	2	3	4	45	7	45½				29, 75	51+	59+
		48	11	5	5	45	39	51+	45	39	52	29, 78	51	53
		32	2	3	3	30	7	44½	30	7	43			
7.	⊙ Lower L. ⊙ Upper L. Regulus. D Upper L. γ Leonis.	47	14	7	0	44	54	30½				29, 96	48+	51½
		47	5	5	0	44	22	25½	44	22	27			
		40	14	2	11½	38	19	51						
		38	2	5	3	35	45	41—	35	45	41	30, 02	47	43½
		32	7	2	1	30	25	3,9						
9.	⊙ Upper L. ⊙ Lower L.	46	8	9	7	43	37	43+				29, 66	51—	59
		47	1	11	4	44	9	45	44	9	45			
10.	η } Virginis. 17 } D Upper L. γ Virginis. } double.	54	2	11	9	50	47	5,9						
		47	12	13	7	44	48	54,6						
		52	0	0	3	48	45	3	48	45	2½	29, 72	48	43
		55	0	5	5	51	34	55,9						
		55	0	5	11	51	35	1,9						
12.	D Upper L.	62	3	3	11	58	18	53½	58	18	52	29, 77	49	45

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DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
12.	<i>Arcturus.</i> 104 } <i>Virginis.</i> Star 4th mag. 105 }	33	1	7	4	31	1	22,2						
		60	3	13	5	56	28	29,2						
		56	1	9	5	52	35	34,6						
13.	☉ Upper L. ☉ Lower L. ☽ Upper L. 18 } <i>Librae.</i> ☽ }	44	15	9	0	42	9	42½				29, 87	50	53
		45	8	10	5	42	41	39+	42	41	42			
		67	0	10	0	62	50	57-	62	50	56	29, 91	49½	46
		65	11	7	2	61	36	29,6						
		62	14	14	9	58	59	56,7						
14.	☽ Lower L.	71	15	8	5	67	28	19½	67	28	18	29, 85	49	44
15.	↓ <i>Ophiuchi.</i> ☽ Lower L. 24 <i>Scorpii.</i>	75	9	11	5	70	52	53,5						
		75	11	7	10:	70	59	7½	70	59	5	29, 87	46	39-
		75	9	8	5	70	52	13,9						
16.	☉ Lower L. ☉ Upper L.	44	6	5	0	41	37	11½				30, 10	47	45
		43	13	3	5	41	5	11½	41	5	13			
17.	☽ Upper L. Horns vertical.	79	12	9	3	74	47	58	74	47	59	29, 85	45	40½
18.	☉ Upper L. ☽ Upper L.	43	1	3	8:	40	23	3,5						
		80	3	8	5	75	12	23+	75	12	24	30, 15	43	35
20.	☽ Upper L.	76	11	5	8::	71	54	54,2						
21.	☉ Upper L.	41	15	10	2	39	21	12,9	39	21	13	30, 00	51	59
22.	☉ Lower L. ☉ Upper L.	42	2	15	5	39	32	54,6				30, 02	52½	60-
		41	9	14	2	39	1	00	39	0	58			
23.	☉ Lower L. ☉ Upper L.	41	13	4	6:	39	12	56				30, 07	54	61
		41	4	2	8::	38	40	53	38	40	51			
24.	☉ Upper L. ☉ Lower L.	40	14	8	5	38	21	3				30, 04	51	50
		41	7	9	6	38	52	56½	38	52	56			
25.	☉ Lower L. ☉ Upper L. <i>Venus's Center.</i>	41	2	0	2	38	33	19				29, 69	51	54
		40	8	15	0	38	1	25	38	1	25			
		32	11	7	8	30	40	20½	30	40	21	29, 66	52	55
28.	☉ Upper L. ☉ Lower L.	39	8	8	7	37	3	45				29, 70	52½	55
		40	1	9	10:	37	35	39½	37	35	40			
29.	☉ Lower L. ☉ Upper L.	39	12	4	4	37	16	53				29, 76	54	57
		39	3	3	1	36	44	58½	36	44	59			
30.	☉ Upper L. ☉ Lower L. ☽ Center. Estimated.	38	13	15	0	36	26	30				29, 64	54	61
		39	7	0	1	36	58	22½	36	58	21			
		31	4	2	1	29	18	16,1	29	18	15	29, 63	55	61
MAY 1.	☉ Lower L. ☉ Upper L. <i>Venus's Center.</i> ☽ Upper L. Faint. <i>Procyon.</i> <i>Pollux.</i> ξ <i>Hydrae et Crateris.</i> π } Q. what Star? Hydrae Contin. 7 } 8 }	39	1	13	0	36	40	7,3				29, 52	53	57
		38	8	11	11	36	8	13,5						
		30	15	7	9	29	1	55+	29	1	53	29, 51	54	58
		30	5	0	7::	28	25	11½	28	25	9	29, 48	54	57
		48	10	15	0	45	38	27,1						
		24	6	9	2	22	53	6,3						
		87	5	12	0	81	53	57,9				29, 50	52	49
		82	0	12	8	76	55	16+						
		82	0	1	1	76	52	44+						
		83	3	14	0:	78	2	22½						
		85	1	11	4	79	47	15						
2.	☉ Upper L. ☉ Lower L. ☽ Upper L. 3 b } <i>Hydrae et Crateris.</i> β } γ } <i>Hydrae Contin.</i> γ }	38	3	9	10	35	50	11½				29, 56	53-	57-
		38	12	10	10	36	22	3						
		31	3	0	10	29	14	28-	29	14	26	29, 62	53	54
		74	15	8	2	70	17	1,5						
		77	12	14	5	72	56	36				29, 67	52	48½
		72	5	3	5	67	48	19,2						
		78	3	5	2	73	19	10						
3.	☉ Upper L. ☉ Lower L. ☽ Upper L.	37	14	8	11	35	32	24½				29, 74	51½	53
		38	7	9	10	36	4	15						
		33	6	0	11	31	17	31½	31	17	30	29, 70	53	56
6.	☉ Lower L. ☉ Upper L. <i>Venus's Center.</i> ☽ Upper L.	37	8	14	1	35	12	28				29, 63	54	58
		36	15	13	4	34	40	39½	34	40	38			
		29	12	15	3	27	56	47	27	56	45	29, 63	54½	58½
		45	3	4	11	42	22	51½	42	22	52	29, 66	55	55
7.	☉ Lower L. ☉ Upper L.	37	4	2	0	34	55	45				29, 68	55	60+
		36	11	1	5	34	23	58½	34	23	57			
8.	☽ Upper L.	55	4	10	0	51	50	0½	51	50	0	29, 90	57	58
9.	<i>Spica</i> } <i>Virginis.</i> 21 } 31 } ☽ Upper L.	65	6	15	9	61	20	47,4						
		60	3	9	2	56	27	33,5						
		59	5	3	0	55	36	59,2						
		60	7	1	8	56	39	57½	56	39	58	29, 71	55½	55

In MAY MDCC LIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
4	10.	☉ Upper L. ☽ Upper L.	35	13	4	12	33	35	31,9	61	21	8	29, 74	54	51
8	15.	☉ Lower L. ☽ Upper L.	35	1	1	2	32	52	31,1	32	52	30	30, 07	56	52
8	16.	☉ Lower L. ☉ Upper L. Venus's Center.	34	13	1	0	32	38	25½	32	6	41	30, 04	60½	67
			34	4	0	10	32	6	44-	26	36	44½	30, 01	64+	71½
			28	6	3	2	26	36	47						
4	17.	☉ Upper L. ☉ Lower L. ☽ Upper L.	34	0	2	4	31	53	00,4	32	24	22	30, 19	55	43½
			34	9	2	9	32	24	43,8	73	0	31			
			77	14	0	4	73	0	32						
8	18.	☽ Upper L. A little Hazy.	74	7	10	0:	69	49	18½	69	49	18	30, 39	51	42
h	19.	☉ Upper L. ☉ Lower L. Spica.	33	8	9	11	31	26	32+	31	58	17	30, 42	54	53½
			34	1	10	5	31	58	17-	61	20	44	30, 42	52½	47+
			65	6	15	5	61	20	43½						
☉	20.	☉ Lower L. ☉ Upper L.	33	14	0	5	31	45	33	31	13	50	30, 45	53½	57
			33	5	0	2	31	13	52						
☽	21.	☉ Upper L. ☉ Lower L.	33	1	8	0	31	1	31	31	22	12	30, 33	54	60½
			33	10	8	4	21	33	14-						
8	23.	☉ Upper L. ☉ Lower L.	33	3	12	0	31	9	26	30	37	45	30, 18	57½	60
			32	10	12	0	30	37	47½						
8	25.	☉ Lower L. ☉ Upper L.	32	13	6	5	30	47	6,3	30	15	26	30, 02	61½	70
			32	4	6	3	30	15	25,9						
h	26.	☉ Lower L.	32	10	6	0	30	36	28,5						
☉	27.	☉ Upper L. ☉ Lower L.	31	14	6	12	29	54	29+	30	26	10	30, 00	55½	56½
			32	7	7	2	30	26	11-						
4	31.	☉ Lower L. ☉ Upper L.	31	12	13	1	29	48	48½	29	17	7	29, 45	55	61-
			31	3	13	0	29	17	9+						
h	JUNE 2.	☉ Upper L. ☽ Upper L.	30	15	2	4	29	00	44,4	29	0	43	29, 22	59	65+
			43	3	15	8	40	32	43½	40	32	42	29, 22	59	62½
h	4.	☽ Upper L.	53	3	14	1	49	54	53½	49	54	52	29, 56	57	55
8	6.	☽ Upper L.	63	8	7	11	59	33	36-	59	33	34	29, 44	57	57
h	7.	☽ Upper L.	68	5	12	0	64	5	13	64	5	12	29, 90	57+	57½
8	8.	☉ Lower L. ☉ Upper L. ☽ Upper L. ♂ } Scorpii. β }	30	12	12	11	28	52	30½	28	20	49	30, 10	58	64
			30	3	12	10	28	20	51	68	9	50	30, 11	58	56
			72	11	5	5	68	9	51						
			78	3	10	11	73	20	25,6						
			75	4	3	2	70	33	30,3						
h	9.	☉ Upper L. ☉ Lower L. γ Ophiuchi. Antares. ☽ Upper L.	30	2	5	0	28	15	38-	28	47	14	30, 00	59-	63½
			30	11	5	0	28	47	16½						
			73	15	2	1	69	19	26,4						
			82	6	15	4	77	16	57,4	71	33	47	29, 94	58½	54
			76	5	5	6	71	33	46½						
☉	10.	☉ Lower L. ☉ Upper L.	30	9	15	0	28	42	26+	28	10	46	29, 73	60½	70
			30	0	14	12	28	10	46½						
☽	11.	☉ Upper L. ☉ Lower L.	29	15	10	7	28	6	18	28	37	55	29, 53	60	64½
			30	8	10	8	28	37	57+						
8	12.	☉ Lower L.	30	7	8	2	28	33	54						
8	13.	☉ Lower L. ☉ Upper L.	29	13	7	7	27	58	36½	28	30	15	29, 38	58½	62½
			30	6	7	7	28	30	15						
4	14.	☉ Upper L. ☉ Lower L. ☽ Upper L.	29	12	9	0	27	55	25	28	26	57	29, 73	58½	64+
			30	5	8	9	28	26	59+	71	0	14	30, 02	56	51
			75	11	12	9	71	0	12½						
8	15.	☉ Lower L.	30	4	12	0:	28	24	12						
h	16.	☉ Upper L. ☉ Lower L.	29	11	0	12	28	21	47	28	21	45	30, 06	60+	68-
			30	4	1	0	28	21	46,9						
☉	17.	☉ Lower L. ☉ Upper L. ☽ Upper L.	30	3	8	0	28	19	48+	27	48	9	30, 18	61	68-
			29	10	8	1	27	48	11-	56	31	28	30, 24	62	65
			65	4	11	10	56	31	39-						
8	19.	☉ Upper L. ☉ Lower L.	29	9	11	8	27	45	26	28	17	4	30, 23	67	79
			30	2	11	9	28	17	6						
8	20.	☉ Lower L. ☉ Upper L. Venus's Center.	30	2	8	0-	28	16	17	27	44	39	30, 11	67	75-
			29	9	8	1	27	44	40	31	1	3	30, 08	69	76+
			33	1	6	0	31	1	5						
4	21.	☉ Upper L. ☉ Lower L.	29	9	6	8	27	44	20½	28	15	57	29, 86	70	78½
			30	2	6	6	28	15	57						
8	22.	☉ Lower L.	30	2	6	5	28	15	56				29, 89	68	74

In JULY MDCC LIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♀ 22.	☉ Upper L.	29	9	6	10	27	44	22½	27	44	21			
☉ 24.	Jupiter's Center.	78	9	15	2	73	42	28,2	73	42	29	30, 18	62	56
♂ 27.	☉ Upper L.	29	11	4	6	27	50	54				29, 88	67	75
	☉ Lower L.	30	4	4	5	28	22	31½	28	22	29			
♂ 28.	☉ Lower L.	30	4	15	7	28	24	58½				29, 72	64	67
	☉ Upper L.	29	12	0	0	27	53	26	27	53	25			
♀ 29.	☉ Upper L.	29	12	13	5	27	56	22½				29, 34	64	67
	☉ Lower L.	30	5	13	4	28	28	0	28	27	58			
♂ 30.	☉ Lower L.	30	6	12	4	28	31	17,8						
♂ JULY 2.	☉ Lower L.	30	9	0	9	28	39	17,4						
♂ 3.	☉ Upper L.	30	1	5	3	28	12	10				30, 10	62+	73
	☉ Lower L.	30	10	5	4	28	43	49	28	43	48			
♂ 4.	☉ Lower L.	30	11	11	12	28	48	47+				30, 35	63+	66½
	☉ Upper L.	30	2	12	1	28	17	11	28	17	10			
	☉ Upper L.	66	6	11	3	62	16	3½	62	16	3	30, 37	65	65½
	Jupiter's Center.	78	13	5	0	73	54	18	73	54	17	30, 39	62½	57
♂ 5.	☉ Lower L.	30	13	4	4	28	54	9				30, 37	63	69
	☉ Upper L.	30	4	4	8	28	22	34½	28	22	32			
	Venus's Center.	38	14	8	11	36	28	39½	36	28	38	30, 36	65	73
	☉ Upper L.	70	15	10	8	66	32	34	66	32	33	30, 36	65	68-
	Jupiter's Center.	78	13	10	7	73	55	31	73	55	30	30, 36	64	63½
♀ 6.	☉ Upper L.	30	5	14	10	28	28	19+				30, 32	66	74+
	☉ Lower L.	30	14	14	8	28	59	55½	28	59	55			
	Venus's Center.	39	5	10	9	36	53	40½	36	53	39	30, 29	68	78
	☉ Upper L.	74	14	14	4	70	14	51½	70	14	53	30, 26	69	72
	ξ Ophiuchi.	65	9	12	1	61	30	32,6						
	σ Herculis.	73	4	5	9½	68	41	34,2						
♂ 7.	☉ Lower L.	31	0	10	8	29	6	5-				30, 14	69	77
	☉ Upper L.	30	7	10	12	28	34	30½	28	34	28			
	Venus's Center.	39	12	14	1	37	19	2-	37	19	0	30, 11	72	79½
	☉ Upper L.	78	0	4	0	73	8	22½	73	8	22	30, 01	69½	69
	33 Scorpii.	80	5	15	0	75	20	52,4						
	ε Ophiuchi.	80	2	14	11	75	10	17,4						
☉ 8.	☉ Upper L.	30	9	9	0	28	41	7				29, 85	72	78½
	☉ Lower L.	31	2	8	10	29	12	42+	29	12	40			
	μ Sagittarii.	77	5	12	3	72	31	30,9						
	☉ Upper L.	79	15	4	11	74	57	33-	74	57	31	30, 00	70	66
	λ Sagittarii.	82	1	1	10	76	56	24,1						
	Jupiter's Center.	78	14	10	8	73	59	3	73	59	2			
♂ 9.	☉ Lower L.	31	4	8	0	29	19	34				30, 06	70+	77½
	☉ Upper L.	30	11	8	4	28	48	0	28	47	57½			
	π Sagittarii.	77	10	9	12	72	48	35						
	☉ Upper L.	80	8	1	1	75	28	21½				29, 91	69+	66½
	☉ Lower L.	81	0	15	10	75	59	43-	75	59	42			
	ι x Sagittarii.	81	7	5	0	76	21	57,5						
	Jupiter's Center.	78	15	0	0	74	0	14	74	0	13			
♂ 10.	☉ Upper L.	30	13	9	10	28	55	21-				29, 76	72	81
	☉ Lower L.	31	6	9	7	29	26	56+	29	26	56			
	☉ Upper L.	79	7	15	10	74	31	49+	74	31	47	29, 81	69	64
♂ 11.	☉ Lower L.	31	8	12	5	29	34	35½				29, 91	69	72
	☉ Upper L.	30	15	12	12	29	3	4+	29	3	2			
	Jupiter's Center.	78	15	9	10	74	2	22½	74	2	23	29, 97	66	61
	☉ Upper L.	76	15	1	2	72	7	59+	72	8	0	29, 96	64½	60-
	ξ } Capricorni.	79	13	8	10	74	51	22,7						
	b } Capricorni.	79	3	6	0	74	15	36,9						
♂ 12.	☉ Upper L.	72	15	14	10	68	25	58½	68	25	57	30, 08	65	61½
	53 } Aquarii. double.	74	0	4	3	69	23	25,7						
	56 } Aquarii.	71	11	10	9	67	14	46,1						
♀ 13.	☉ Upper L.	31	4	8	1	29	19	35+				30, 13	67	73
	☉ Lower L.	31	13	7	9	29	51	8½	29	51	9			
	☉ Upper L.	67	14	15	3	63	41	19	63	41	17	30, 17	65	59
	Saturn's Center.	62	12	4	11	58	50	45	58	50	44	30, 17	65	59
♂ 14.	☉ Lower L.	32	0	0	3	30	0	3				30, 17	67	71½
	☉ Upper L.	31	7	0	6	29	28	27½	29	28	25			
	☉ Upper L.	62	1	13	4	58	13	56+	58	13	54	30, 06	64	57
☉ 15.	☉ Upper L.	31	9	10	5	29	37	40+				30, 01	68	74
	☉ Lower L.	32	2	10	0	30	9	14-	30	9	14			
	☉ Upper L.	55	14	7	0:	52	24	30½	52	24	30	29, 84	67	66

In JULY MDCCCLIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
16.	☉ Lower L. ☉ Upper L.	32	5	5	10	30	18	50½		29	47	15	29, 85	69½	74
17.	☉ Upper L. ☉ Upper L. Faint.	31	15	3	2	29	57	10,6		41	0	6	30, 13	65	62
18.	☉ Lower L. ☉ Upper L. ☉ Center. Estimated. <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> last wire. <i>Syrus.</i>	32	11	1	11	30	39	4½		30	7	29	30, 17	67½	75
		32	2	2	1	30	7	29+		36	22	48	30, 22	66	68
		38	12	14	3	36	22	49-							
		37	13	4	2	35	27	51,9							
		6	2	3	6	5	45	17,4							
		63	15	1	11	59	56	13,2							
		47	1	0	6	44	7	21,9					30, 22	67	71½
		72	5	13	5	67	50	31,1							
19.	☉ Upper L. ☉ Lower L. <i>Venus's</i> Center. <i>Jupiter's</i> Center. <i>Aldebaran.</i> ☉ Center. Estimated. <i>Capella.</i>	32	5	2	8	30	18	9		30	49	47	30, 20	69	73½
		32	14	2	9	30	49	48½		42	43	34	30, 20	71½	77½
		45	9	3	3	42	43	36		74	11	6	30, 15	67	64+
		79	2	1	7	74	11	7							
		37	13	4	1	35	27	50,9							
		34	9	13	8	32	27	8		32	27	6	30, 16	66	69
		6	2	3	8	5	45	19,4							
20.	☉ Center. Estimated. <i>α Orionis.</i> <i>Syrus.</i>	31	12	7	0	29	47	28½		29	47	26	30, 24	65½	68
		47	1	0	3½	44	7	19,4							
		72	5	13	4	67	50	30,1							
21.	☉ Upper L. ☉ Lower L.	32	11	8	7	30	40	33-		31	12	11	30, 22	67	71
		33	4	8	8	31	12	12+							
22.	☉ Lower L. { Fluttered. ☉ Upper L. } <i>Jupiter's</i> Center. <i>Saturn's</i> Center.	33	7	14	0	31	23	56		30	52	16	30, 11	67	73
		32	14	14	0	30	52	17½		74	14	10	30, 08	68	67½
		79	2	15	7	74	14	11½		58	59	51	30, 04	67	63½
		62	14	14	5	58	59	52½							
23.	☉ Upper L. ☉ Lower L. <i>Venus's</i> Center.	33	2	4	8	31	4	17½		31	35	54	30, 03	69½	77½
		33	11	4	8	31	35	56		44	38	16	30, 00	71½	79½
		47	9	13	3	44	38	18-							
24.	☉ Lower L. ☉ Upper L.	33	14	12	11	31	48	17+		31	16	42	29, 95	69	73
		33	5	13	3	31	16	44							
25.	☉ Upper L. ☉ Lower L.	33	9	7	0	31	29	25½		32	1	4	29, 84	69	75½
		34	2	7	0	32	1	4+							
26.	☉ Lower L. ☉ Upper L. * Q. 3	34	6	2	3	32	14	5		31	42	3*	29, 70	70½	77½
		33	13	2	4	31	42	27½							
27.	☉ Upper L. <i>Jupiter's</i> Center.	34	0	15	5	31	55	52,8		74	18	49	29, 87	66	62
		79	4	4	8	74	18	49½							
28.	☉ Lower L. ☉ Upper L.	34	13	13	10	32	41	13½		32	9	36	29, 96	67	71
		34	4	13	12	32	9	37							
This day I tried the Quantity of the Arc of the New Quadrant with the Apparatus for that purpose, and found it to be exactly 90°. Thermometer 72°.															
31.	☉ Upper L. <i>Jupiter's</i> Center.	64	8	1	5	60	28	25½		60	28	26	29, 37	65	63
		79	5	4	10	74	22	22½		74	22	20	29, 52	64	58
AUG. 1.	☉ Upper L. ☉ Upper L. <i>Antares.</i>	35	5	5	3	33	7	28,6		64	53	0	29, 68	64	67½
		69	3	5	6	64	52	59½					29, 67	67	66½
		82	7	0	0	77	17	6,6					29, 67	67	66½
2.	☉ Lower L. <i>Arcturus.</i>	36	2	10	9	33	54	22,7					29, 75	62	65
		33	1	6	7	31	1	12					29, 78	64+	63
3.	☉ Upper L. ☉ Lower L. <i>Venus's</i> Center. ☉ Upper L.	35	14	1	3	33	38	14+		34	9	53	29, 99	62	65
		36	7	1	5	34	9	54½		50	2	30	30, 00	63½	68
		53	6	0	10	50	2	30½		72	2	40	30, 03	63	62½
		76	13	9	0	72	2	41-							
5.	☉ Lower L.	81	0	9	6	75	58	19½		75	58	19	29, 87	63	64
6.	☉ Upper L. ☉ Lower L.	36	11	12	12	34	26	30,5		34	58	13	29, 86	62	66
		37	4	13	2:	34	58	12,1							
7.	☉ Lower L. * 53	78	13	2	0	73	53	38½		73	54*	37	29, 98	65	65½
8.	☉ Lower L. <i>Jupiter's</i> Center. ☉ Lower L. ☉ } <i>Aquarii.</i> 35 } <i>Saturn's</i> Center.	37	14	5	9:	35	31	43		74	28	27	30, 00	67	68
		79	7	0	5	74	28	26½		70	38	34	30, 00	66	65
		75	5	10	4	70	38	35½							
		70	14	6	0	66	28	2,2							
		75	13	11	10	71	7	2,2		59	23	25	30, 00	66	65
		63	5	9	6	59	23	24+							
9.	☉ Upper L. ☉ Lower L. <i>Venus's</i> Center.	37	10	3	8	35	17	12		35	48	54	29, 96	67	73
		38	3	4	0	35	48	55½		53	0	49	29, 94	69	76
		56	8	12	5	53	0	50½							

In AUGUST MDCC LIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
24	9. 64 <i>Aquarii</i> . <i>Upper L.</i> <i>Saturn's Center.</i>	66	14	6	2	62	43	4.2	65	36	32	29, 90	67	64½
		69	15	11	9	65	36	33	59	25	1	29, 90	67	64½
		63	6	0	10	59	25	0½	59	25	1			
8	10. ☉ Lower L. ☉ Upper L. <i>Venus's Center.</i> <i>Upper L.</i> 29 } <i>Pisium.</i> 33 }	38	8	3	0	36	6	17	35	34	37	29, 92	69—	76
		37	15	3	0	35	34	38½	53	30	24	29, 92	70	79—
		57	1	3	0	53	30	25+	60	12	40	29, 93	66	63
		64	3	9	10	60	12	41½	56	20	37,6			
		60	1	9	8	56	20	37,6	58	48	3,8			
		62	11	8	8	58	48	3,8						
6	11. ☉ Upper L. ☉ Lower L. <i>Upper L.</i>	38	4	3	0	35	52	13+	36	23	58	29, 95	69	74
		38	13	3	6	36	23	57½	54	18	10	29, 94	69	66
		57	14	12	5	54	18	11						
0	12. <i>Upper L.</i>	51	7	13	4:	48	16	16,9	48	16	15	30, 14	65	57
1	13. ☉ Lower L. <i>Upper L.</i>	39	7	7	5	36	59	58,8	42	30	1	30, 19	66	69—
		45	5	5	6	42	30	1½	42	30	1	30, 12	63	54
8	15. ☉ Upper L. <i>Upper L. Faint.</i> <i>Aldebaran.</i>	39	8	15	4	37	5	14,3	33	6	57	30, 05	62	56
		35	5	3	0:	33	6	59+	33	6	57			
		37	13	3	11	35	27	47,7						
24	16. ☉ Lower L. ☉ Upper L. <i>Venus's Center.</i>	40	7	5	9	37	55	51½	37	24	8	30, 06	63½	64½
		39	14	5	4	37	24	8	56	26	6	30, 05	66	70—
		60	3	2	8	56	26	7+						
8	17. <i>Center. Estimated.</i>	30	10	4	2	28	43	34	28	43	32	30, 15	61	69
6	18. ☉ Upper L. ☉ Lower L.	40	9	3	8	38	2	26	38	34	14	30, 13	63½	68½
		41	2	4	6:	38	34	15½						
0	19. ☉ Lower L.	41	7	13	0	38	53	42,9						
8	21. ☉ Upper L. <i>Jupiter's Center.</i>	41	10	1	0::	39	1	37,6	74	35	29	29, 44	63	60½
		79	9	0	4	74	35	27½						
8	22. ☉ Lower L. ☉ Upper L.	42	8	12	6	39	53	21½	39	21	37	29, 47	62	63
		41	15	12	1	39	21	38+						
24	23. ☉ Upper L. ☉ Lower L.	42	5	8	5	39	41	55+	40	13	42	29, 52	61	64
		42	14	9	1	40	13	42						
8	24. ☉ Lower L.	43	4	6	6::	40	34	13,9						
6	25. ☉ Lower L. ☉ Upper L. <i>last wire.</i> <i>Jupiter's Center.</i>	43	10	4	1	40	54	48	40	23	0	29, 81	63	63
		43	1	3	4:	40	22	59½	74	36	56			
		79	9	7	2:	74	36	57½						
0	26. ☉ Lower L. ☉ Upper L. <i>Center. Estimated.</i>	44	0	2	10	41	15	36½	40	43	50	29, 85	63	70
		43	7	2	2	40	43	50						
		57	14	2	10::	54	16	4,5						
8	28. ☉ Upper L. ☉ Lower L. <i>Arcturus.</i> <i>Upper L. Faint.</i> <i>Antares.</i> <i>Jupiter's Center.</i> <i>α Orionis.</i>	44	3	1	7	41	25	53	41	57	46	29, 81	63	66—
		44	12	2	9	41	57	46½						
		33	1	6	10	31	1	15	63	22	14			
		67	9	8	6:	63	22	15						
		82	7	0	4	77	17	10,6	74	37	55	29, 81	65	66
		79	9	11	8	74	37	56½				29, 82	63	62
		47	1	0	0	44	7	15,9				29, 99	57	49
24	30. ☉ Lower L. <i>Upper L. Very faint.</i>	45	8	4	10	42	40	25,2	70	58	24	30, 00	60	60
		75	11	4	7::	70	58	25						
8	31. <i>Upper L.</i>	78	8	14	2	73	38	44	73	38	44	29, 87	59	57
6	SEPT. 1. ☉ Upper L. { <i>Hazy.</i> Lower L. {	45	11	9	0:	42	51	49	43	23	47	29, 83	56	58—
		46	4	10	1:	43	23	46½						
1	3. ☉ Lower L. <i>Capricorni.</i>	80	0	15	0	75	3	18—	75	3	16	29, 70	61	62—
		74	11	1	5	70	1	28,5						
8	4. ☉ Lower L. ☉ Upper L. ☉ Lower L. { } <i>Capricorni.</i> <i>Saturn's Center.</i>	47	7	6	2	44	29	42½	43	57	57	29, 82	59	62½
		46	14	5	8::	43	57	57	72	28	32	29, 92	58	54
		77	4	14	10	72	28	33½						
		79	13	8	8	74	51	20,7						
		79	3	6	0	74	15	36,9	60	10	46	29, 92	57	52
		64	3	1	1	60	10	47						
8	5. <i>Lower L.</i> <i>Saturn's Center.</i>	73	1	1	3	68	30	2	68	30	2	29, 59	62	62
		64	3	9	6:	60	12	37½	60	12	36	29, 59	62	62
24	6. <i>Saturn's Center.</i> <i>Lower L.</i>	64	4	1	8	60	14	25	60	14	24	29, 86	60	60
		67	9	8	5	63	22	14	63	22	12	29, 86	60	60—
0	9. ☉ Upper L. ☉ Lower L. ☉ Upper L. 78 <i>Ceti.</i>	48	14	3	10	45	50	2½	46	21	57	29, 94	64	70
		49	7	5	1	46	21	58½	44	28	35	29, 84	63	63½
		47	7	1	2	44	28	36½						
		50	0	14	11	46	55	45,6						

In SEPTEMBER MDCCCLIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
10.	☉ Lower L. ☉ Upper L. Venus's Center. Jupiter's Center. ☽ Upper L. 1 ♀ Ceti. ♂ Tauri.	49	13	12	8	46	44	43½	46	12	51	29, 82	65	73½
		49	4	11	10	46	12	54-	46	12	51	29, 80	68	77-
		71	14	5	0	67	23	59	67	24	0	29, 85	68	70
		79	10	4	8	74	39	55	74	39	54	29, 92	65	62
		41	7	2	7	38	51	25	38	51	23			
		52	4	0	11	48	59	14,8						
		46	2	15	0	43	17	49,6						
11.	☽ Upper L. Hazy.	36	6	12	11	34	8	55-	34	8	52	30, 08	61	55
12.	☽ Upper L.	32	11	2	10	30	39	16½	30	39	15	29, 89	62½	62
13.	☉ Lower L. ☉ Upper L. ☽ Lower L. Horns vertical.	51	1	5	3	47	53	25	47	21	26	29, 85	65	72
		50	8	3	11	47	21	28	47	21	26			
		31	0	13	0	29	6	36½	29	6	32	29, 87	60	55½
14.	☉ Upper L. ☉ Lower L.	50	14	12	6	47	44	27+	48	16	26	29, 94	61	62
		51	7	14	1	48	16	27	48	16	26			
15.	☉ Lower L. ☉ Upper L. Jupiter's Center. ☽ Lower L. Very faint.	51	14	7	0	48	39	30½	48	7	34	30, 01	60	61½
		51	5	5	11	48	7	36½	48	7	34			
		79	10	3	2	74	39	36	74	39	35	30, 00	60	58
		31	4	15	2	29	21	8	29	21	6	30, 21	57	57½
16.	☽ Center. Estimated.	33	5	0	5::	31	13	54	31	13	53	30, 22	58	50½
19.	☉ Lower L. ☉ Upper L.	53	8	14	0	50	12	27	49	40	35	30, 06	56	57½
		52	15	13	0	49	40	35½	49	40	35			
21.	☉ Lower L. ☉ Upper L.	54	6	3	0	50	59	15	50	27	17	29, 70	56	59½
		53	13	1	9	50	27	19½	50	27	17			
22.	☉ Upper L. ☉ Lower L.	54	3	12	1	50	50	42	51	22	41	29, 84	57	61½
		54	12	13	10	51	22	42½	51	22	41			
23.	☉ Lower L. ☉ Upper L.	55	3	8	0	51	46	3+	51	14	5	29, 97	57	62
		54	10	6	7:	51	14	5½	51	14	5			
24.	☉ Upper L. ☉ Lower L.	55	1	1	2	51	37	31	52	9	36	29, 93	57	61
		55	10	3	2	52	9	36	52	9	36			
28.	☉ Lower L. Venus's Center. ☽ Upper L.	57	4	13	7	53	43	17,1	72	45	37	29, 94	58	63
		77	9	12	7	72	45	38½	72	45	37			
		80	0	3	6::	75	0	45,6						
29.	☽ Lower L. ♄ Sagittarii. ♃ Jupiter's Center.	81	7	11	10	76	23	26½	76	23	28	29, 92	57	57
		78	6	4	11	73	29	39,4						
		81	10	15	5	76	34	47,1						
		79	9	5	11	74	36	40½	74	36	40			
30.	☉ Lower L. ♄ Sagittarii. ♂ Aquilæ.	81	0	2	11	75	56	52½	75	56	51	29, 92	56	55
		67	15	3	7	63	42	15,6						
		56	8	0	11½	52	58	19						
Oct. 1.	☉ Lower L. ☉ Upper L. ☽ Lower L. When Center past	58	8	12	11	54	53	26½	54	22	23	29, 89	55	58+
		57	15	11	0	54	22	24	54	22	23			
		79	0	6	0	74	5	4,1	74	5	5	29, 94		52
2.	☽ Lower L. ♈ Aquarii.	75	8	8	11	70	48	49	70	48	49	30, 07	55	52
		74	2	14	8	69	32	44,4						
		70	14	5	5	66	27	54						
4.	☽ Lower L. ♏ Ceti.	64	11	8	8	60	40	34-	60	40	33	30, 06	54	52
		65	11	6	5	61	36	19,4						
5.	☉ Lower L. } Hazy. ☉ Upper L. } Jupiter's Center. ☽ Lower L.	60	3	4	4:	56	26	29,5	55	54	22	30, 07	55	60
		59	10	2	2::	55	54	22,7	55	54	22			
		79	8	11	1	74	34	18½	74	34	18	30, 05	59	56
		58	1	1	0	54	26	14	54	26	13	30, 04	56	58
6.	☉ Upper L. ☉ Lower L. ☽ Lower L.	60	0	11	3	56	17	28	56	49	38	30, 11	57	64+
		60	9	13	8	56	49	38	56	49	38			
		51	2	14	6	47	58	57½	47	58	56	30, 12	57	57½
7.	☉ Lower L. ☉ Upper L. ☽ Upper L.	61	0	6	4	57	12	38	56	40	31	30, 08	59	61
		60	7	4	1	56	40	30+	56	40	31			
		44	0	0	4	41	15	4	41	15	4	30, 09	57	54½
8.	☉ Lower L. ☉ Upper L. ☽ Upper L.	61	6	14	10	57	35	35+	57	3	30	30, 10	59	65
		60	13	12	9	57	3	29½	57	3	30			
		38	3	14	6	35	51	13½	35	51	11	30, 02	59½	58-
9.	☉ Upper L. ☉ Lower L.	61	4	4	11	57	26	22½	57	58	30	29, 96	61	64½
		61	13	7	2	57	58	31½	57	58	30			
12.	☽ Lower L.	30	9	10	5	28	41	25+	28	41	24	29, 17	54	51
13.	☉ Lower L. ☉ Upper L. ☽ Lower L.	63	7	4	2	59	29	16+	58	57	6+	29, 18	56	56-
		62	14	1	10	58	57	6+	58	57	5			
		32	7	15	8	30	28	2+	30	28	0	29, 98	53	50

In NOVEMBER MDCC LIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
14.	☉ Lower L.	63	13	10	5	59	51	44							
	☉ Upper L.	63	4	8	0::	59	19	34,2							
	☿ Lower L.	35	9	7	9	33	22	4½	33	22	4	29, 60	51	46½	
15.	☉ Upper L.	63	10	13	0	59	41	45,8							
19.	☉ Lower L.	65	13	0	5	61	42	2+				29, 76	51	46	
	☉ Upper L.	65	3	13	8	61	9	47+	61	9	45				
	♂ Arcturus.	33	1	7	0	31	1	18,2				29, 76	51	46	
20.	☉ Lower L.	66	3	2	9	62	3	39+				30, 08	48	40	
	☉ Upper L.	65	10	0	0	61	31	24½	61	31	22				
	♂ Jupiter's Center.	79	5	15	2	74	24	39½	74	24	38	30, 06	47	41	
22.	☉ Lower L.	66	6	3	3	62	14	18				29, 88	52	58½	
	☉ Upper L.	66	15	6	0	62	46	32+	62	46	32				
23.	♂ Jupiter's Center.	79	5	4	2	74	22	14½	74	22	14	30, 01	52	52	
24.	☉ Upper L.	67	2	2	9	62	56	22+				29, 82	50	48½	
	☉ Lower L.	67	11	5	11	63	28	42+	63	28	41				
	♂ Arcturus.	33	1	7	0	31	1	18,2							
28.	☿ Lower L.	80	3	14	0	75	13	37½	75	13	37	29, 47	49	48½	
30.	☉ Upper L.	69	4	14	0	64	58	23,3							
31.	☉ Lower L.	70	3	10	0	65	50	14½				30, 20	49	48	
	☉ Upper L.	69	10	7	0	65	17	56½	65	17	57				
	☿ Lower L.	67	15	3	0::	63	42	8,6							
Nov. 1.	☉ Upper L.	69	15	15	3	65	37	19,8				30, 31	47	45	
	♂ Aquarii.	64	5	2	1	60	18	2,1							
	♂ Saturn's Center.	65	7	8	0	61	22	37	61	22	35	30, 33	47	41	
	☿ Aquarii.	62	11	5	9	58	47	25,2							
	☿ Lower L.	61	11	9	9	57	52	3	57	52	3	30, 33	47	39	
2.	☉ Lower L.	70	14	9	7	66	28	48,8				30, 35	47	48	
	♂ Jupiter's Center.	79	2	6	7	74	12	12	74	12	11	30, 32	48	45	
	☿ Lower L.	54	15	7	0	51	31	46+	51	31	45	30, 30	46	38½	
	♂ Ceti.	64	15	0	0	60	52	44,1							
3.	☉ Upper L.	70	10	12	3	66	15	20½				30, 27	46	46	
	☉ Lower L.	71	3	15	7	66	47	42½	66	47	41				
	☿ Lower L.	48	2	0	9	45	7	11	45	7	9	30, 20	46	41	
4.	☉ Lower L.	71	9	4	7	67	6	23+				30, 13	49	52½	
	☉ Upper L.	71	0	1	3	66	34	1+	66	34	0				
5.	☿ Upper L.	35	12	0	4	33	31	0+	33	30	59	29, 96	52	51	
6.	☉ Upper L.	71	10	7	3	67	10	29½				29, 80	51	50	
	☉ Lower L.	72	3	10	10	67	42	54½	67	42	54				
	☿ Upper L. Hazy.	31	13	8	0	29	51	12½	29	51	10	29, 85	48	45-	
8.	☉ Upper L.	72	13	12	0	68	18	20½				29, 55	47	47	
	☉ Lower L.	72	4	8	8	68	45	57½	68	45	59				
	☿ Lower L.	30	0	1	10::	28	7	53,2							
10.	☿ Center.								31	46	0				
13.	☿ Lower L.	47	8	1	0	44	32	5,7	44	32	5				
14.	☉ Lower L.	74	9	15	12	69	57	38,2				29, 6	42	40	
	☉ Upper L.	74	0	12	7	69	25	15+	69	25	14				
	☿ Lower L.	52	12	6	0	49	28	30½	49	28	28	29, 85	41	36	
17.	☉ Upper L.	74	13	11	5	70	10	42				30, 12	40	36	
	☉ Lower L.	75	6	14	8-	70	43	3	70	43	0				
18.	☉ Lower L. Hazy.	75	11	1	0	70	57	38½	70	57	38	29, 97	40	38	
27.	☿ Lower L.	70	4	9	7	65	53	39½	65	53	38	29, 96	46	46	
28.	☿ Lower L.	64	9	6	3	60	33	0½	60	33	1	29, 74	47	45	
	♂ Piscium.	62	11	8	9	58	48	4,8							
29.	☉ Lower L.	78	1	7	7	73	12	40+				30, 00	44	42	
	☉ Upper L.	77	8	4	0	72	40	15+	72	40	17				
	☿ Lower L.	58	3	13	6	54	36	0+	54	36	0	30, 10	44	36½	
	♂ Ceti.	57	8	0	9	53	54	31,5							
30.	☉ Upper L.	77	11	0	11	72	50	6+				30, 21	41	35-	
	☉ Lower L.	78	4	4	7	73	22	33½	73	22	35				
	♂ Saturn's Center.	65	5	3	9	61	14	38+	61	14	37	30, 25	40	32-	
	☿ Lower L.	51	9	7	0	48	21	56-	48	21	54	30, 25	40	31+	
DEC. 2.	☉ } Tauri.	46	2	14	6	43	17	42,4							
	f } Lower L.	41	15	14	1	38	22	4,6							
	☿ Lower L.	39	2	2	10	36	41	23+	36	41	22	29, 48	40	34½	
3.	♂ Aldebaran.	37	13	3	3½	35	27	40,2							
	☿ Lower L.	34	5	9	0	32	12	3+				29, 67	40	38	

In DECEMBER MDCC LIX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
3.	Upper L.	33	11	14	4	31	38	4	31	38	2			
4.	Venus's Center.	66	1	0	4	61	56	5	61	56	2	29, 55	38½	33½
5.	Lower L.	79	0	10	5	74	6	2-				29, 51	39	38½
	Upper L.	78	7	6	5	73	33	30½	73	33	30			
7.	Upper L.	78	11	7	3	73	47	45½				29, 83	37	35
	Lower L.	79	4	11	5	74	20	19-	74	20	18			
	Lower L.	32	10	4	8	30	36	10+	30	36	9	29, 72	37	35
8.	Upper L.	78	13	4	10	73	54	15				29, 73	38	41
	Lower L.	79	6	8	11	74	26	47	74	26	45			
	†	61	2	12	0	57	20	55	57	20	53	29, 74	39	37+
	Saturn's Center.	65	2	15	6	61	6	40½	61	6	40			
	Lower L.	36	2	3	5::	33	52	46	33	52	45			
9.	Lower L. Very hazy.	40	8	6	4::	37	59	30,6						
10.	Lower L.	79	9	13	11:	74	38	25,8				29, 89	39	39
	Upper L.	79	0	9	10::	74	5	53,7						
	Mars.	46	11	1	6	43	46	29½	43	46	27	29, 72	39	35
	Lower L.	45	7	10	0	42	38	3½	42	38	2	29, 72	39	35
11.	Lower L.	50	11	14	4	47	34	19	47	34	17	29, 60	36½	29½
	35 } Virginis.	49	10	12	11	46	34	13,6						
	37 }	50	3	11	5	47	5	32,8						
	Venus's Center.	66	14	2	0	62	42	9½	62	42	8	29, 60	37	37
12.	Lower L.	56	2	0	0	52	37	2	52	37	0	29, 74	33½	29
13.	Upper L.	79	4	9	5	74	19	51½				29, 74	33	31
	Lower L.	79	13	13	7	74	52	25½	74	52	28			
14.	Lower L. Faint.	66	8	15	2	62	23	57+	62	24	0	29, 70	32	29½
	Venus's Center.	67	6	3	7	63	10	37	63	10	38	29, 70	32	29½
15.	Lower L.	79	15	14	2	74	59	35½				29, 67	33	35
	Upper L.	79	6	9	12	74	27	1	74	27	2			
	Saturn's Center.	65	0	7	0	60	57	47+	60	57	45	29, 66	33	32
	22 Sextantis.	62	3	7	0	58	19	35,1						
	Compared May 1. at O. and G.	82	8	13	10	77	23	39				29, 67	32	28
	Mars's Center.	47	6	7	2	44	26	25	44	26	25	29, 67	32	28
	Venus's Center.	67	9	3	1	63	21	4	63	21	2			
	Center. Estimated. Faint.	71	0	5	0	66	34	51	66	34	50			
16.	Upper L.	79	7	6	10	74	29	50½				29, 70	33	35
	Lower L.	80	0	10	10	75	2	22	75	2	20			
17.	Lower L.	80	1	5	8	75	4	45				29, 68	33	32
	Upper L.	79	8	1	9	74	32	14½	74	32	15			
	22 Sextantis.	62	3	7	0	58	19	35,1						
	C of Mr. Bliss May 21, &c.	60	7	1	2:	56	39	52						
	c May 17 and 19.	61	11	8	4	57	51	45						
	Hydra.	70	12	14	0	66	22	46				29, 60	31	22
	z	82	8	15	7	77	24	2,3						
	Mars's Center.	47	10	12	0	44	41	32½	44	41	30			
18.	Upper L.	79	8	10	4	74	34	8,3						
23.	Upper L.	79	9	6	6	74	36	48,5				29, 24	38	40½
	Lower L.	80	2	10	5	75	9	18,7	75	9	20			
	Center. Estimated. Hazy.	76	0	10	0::	71	17	11,8						
26.	Upper L.	79	8	3	11-	74	32	43				29, 38	43	47
	Lower L.	80	1	7	9	75	5	12+	75	5	14			
	α Lyræ.	13	12	3	0-	12	54	5,8						
	Lower L.	60	7	10	6	56	41	54½	56	41	53	29, 34	42	42½
	Aldebaran.	37	13	3	9	35	27	45,7						
27.	Lower L.	80	0	12	9	75	2	47,2				29, 55	41	40
	Upper L.	79	7	8	7	74	30	14	74	30	16			
	♄ Piscium. d. southernmost *.	48	2	12	6	45	9	46,1						
	Lower L.	54	1	8	2	50	42	48½	50	42	47	29, 64	41	36+
	μ Piscium.	49	10	11	0	46	33	49,4						
28.	Upper L.	79	6	12	5	74	27	33,8				29, 29	42	40
	Lower L.	80	0	0	7::	75	0	7						
	Lower L.	47	11	2	9	44	43	0½	44	43	0	29, 24	43	44½
31.	Lower L.	79	12	14	0	74	49	1-				29, 02	44½	46½
	Upper L.	79	3	9	9	74	16	25½	74	16	26			
	Lower L.	32	8	12	0	30	30	45½	30	30	43	29, 09	43½	42½
	111 } Tauri.	36	9	14	5	34	19	48						
	β	24	10	1	6	23	5	28,6						
	α Orionis.	47	1	0	5	44	7	20,9						

† For an explanation of this, and a few other observations, see the Note in page 173.

In JANUARY MDCCCLX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
δ JAN. 1.	Lower L.	30	4	9	11	28	23	43½	28	23	42	29, 03	42	40	
8 2.	Upper L.	79	0	13	0	74	6	36½				29, 23	42	40	
	Lower L.	79	10	1	0	74	39	7½	74	39	9				
	Upper L.	29	5	1	11	27	29	14	27	29	12	29, 34	40	35	
	Castor.	20	5	11	0—	19	4	59,7				29, 34	40	35	
	Procyon.	48	10	14	8½	45	38	22,4							
η 3.	Upper L.	30	12	1	9::	28	50	3½	28	50	4	29, 50	39	36	
δ 8.	Lower L.	78	14	9	10	73	58	51				30, 20	35	30—	
	Upper L.	78	5	5	8	73	26	18½	73	26	19				
	Orionis.	65	4	13	8	61	13	18							
	Comet.	64	11	12	0	60	41	18½	60	41	15	30, 20	32	23	
	Star c.	65	1	12	5	61	2	29	61	2	30				
	Lower L.	53	15	4	8	50	35	0—	50	35	0	30, 17	31	21	
8 9.	Upper L.	78	2	15	12	73	18	1				30, 17	32	25	
	Lower L.	78	12	4	5	73	50	39	73	50	39				
	Comet.	57	4	7	1	53	41	52	53	41	51	30, 16	31	21	
	Star c. } Compared δ 8 Day.	65	1	12	4	61	2	28							
	Star b. }	66	3	4	3	62	3	58½							
	Star a. }	65	12	14	0	61	41	31—	61	41	30				
δ 15.	Lower L.	77	11	11	2	72	52	22+				29, 95	31	36—	
	Upper L.	77	2	7	0	72	19	49+	72	19	50				
δ 22.	Lower L.	76	3	2	5:	71	26	4+				30, 04	38	40	
	Upper L.	75	9	14	3:	70	53	31	70	53	31				
	Lower L. Very faint.	62	3	13	10:	58	21	4	58	21	1	30, 05	39	39	
8 25.	Lower L.	75	7	1	0	70	43	34,7				29, 11	42	43	
	Upper L.	74	13	13	0	70	11	3,6	70	11	3				
	Lower L.	43	7	3	4	40	44	5	40	44	5	29, 24	42	39	
	α Ceti.	51	8	13	0	48	19	43,9							
η 26.	Upper L.	74	9	9	2	69	56	9				29, 06	42	44	
	Lower L.	75	2	13	0	70	28	38	70	28	38				
	Lower L.	38	1	2	11	35	41	38+	35	41	38	29, 08	41	38	
	A } Tauri.	42	5	1	2	39	40	19,9							
		33	1	1	3	31	0	2,1							
		32	2	3	1	30	7	42,4							
	Aldebaran.	37	13	3	8	35	27	44,7							
		58	0	15	2	54	25	50							
	○ 27.	Lower L.	74	14	7	0	70	13	15½				29, 18	40	41½
Upper L.		74	5	3	3	69	40	47+	69	40	48				
4 ^m . or 5 ^m . AR. 40° 51' 5".		47	0	0	4	44	3	49	44	3	48	29, 15	41	40	
η 28.	Lower L.	74	10	1	2	69	57	54,6				28, 72	44½	51—	
	Q. What Star?	65	4	14	9	61	13	32,3							
		Lower L.	30	14	14	9	28	59	56½	28	59	55	29, 69	43	44
		c } Monocerotis.	65	1	13	8	61	2	45,3						
	3 }	56	3	5	6	62	4	14,7							
δ 29.	Upper L.	29	3	7	8	27	23	28	27	23	30	29, 47	40	34	
	ζ } Geminorum.	32	9	11	4	30	34	7,5							
		o }	37	8	5	0	35	10	28,4						
η FEB. 2.	Upper L.	72	9	4	6	68	2	37,2				30, 02	41	41	
	Lower L.	73	2	8	4	68	35	6,3	68	35	6				
	Lower L.	40	15	13	10	38	25	45½	38	25	44	30, 15	40	36	
δ 5.	Upper L.	71	10	2	6	67	9	26,7							
	Lower L.	57	3	8	0::	53	38	33,3							
8 6.	Upper L.	71	4	15	0	66	51	6½				29, 69	38	36	
	Lower L.	71	14	2	8	67	23	32½	67	23	33				
	b at Greenwich, May 16.	61	2	1	6	57	18	36	57	18	35				
	B at Oxford, May 2.	78	4	2	0	73	22	0	73	21	59	29, 72	39	29	
	at Greenwich, May 2.	78	10	2	0	73	43	5½	73	43	4				
	Compared May 1, at Oxford.	82	9	1	0	77	24	21½							
	Lower L.	62	9	14	0	58	42	13	58	42	13	29, 70	36	28	
η 7.	Lower L.	67	11	2	2	63	27	53½	63	27	52	29, 96	36	31	
	17 } Libræ.	71	3	2	8	66	44	52,2							
		27 }	71	7	1	3	66	58	37,7						
8 8.	Lower L.	71	3	8	11	66	46	44+				30, 00	38	40—	
	Upper L.	70	10	5	0	66	13	45+	66	13	45				
η 9.	Upper L.	70	4	14	10	65	54	48+				29, 82	40	43	
	Lower L.	70	14	2	6	66	27	15½	66	27	14				
	Lower L.	76	3	12	3	71	28	14	71	28	15	29, 97	41	42	
○ 10.	Lower L.	70	8	10	4	66	7	53,3				30, 11	42	44	

In FEBRUARY MDCCCLX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
10.	☉ Upper L.	69	15	6	9	65	35	27,2	65	35	27			
14.	☉ Lower L.	69	2	0	6	64	48	22,9						
	☉ Upper L.	68	8	12	10::	64	15	55,7						
15.	☉ Upper L. } A little Hazy.	68	3	0	0	63	55	33-						
	☉ Lower L. }	68	12	3	0	64	27	51-	64	27	52			
16.	☉ Lower L.	68	6	5	0	64	7	11½				29, 28	42½	42½
	☉ Upper L.	67	13	1	9	63	34	49½	63	34	48			
	H	30	1	9	2	28	13	1,6						
	μ } Geminorum.	30	13	8	3	28	55	0,7						
	ν	30	12	7	9	28	51	22,5				29, 41	41	39
	γ	33	3	4	1	31	7	41,5						
	ε	37	3	6	5	34	53	11,9						
	Syrius.	27	13	14	1	26	7	32,8						
		72	5	14	2	67	50	41,3						
17.	H	30	1	9	1½	28	13	1,1						
	μ } Geminorum.	30	13	8	3	28	55	0,7						
	ν	30	12	7	10½:	28	51	24				29, 50	40	36
	γ	33	3	4	1	31	7	41,5						
	ε	37	3	6	5	34	53	11,9						
	Syrius.	27	13	14	1	26	7	32,8						
		72	5	14	1	67	50	40						
18.	☉ Upper L.	67	1	2	11	62	52	54+				29, 72	39½	36+
	☉ Lower L.	67	10	6	3	63	25	16½	63	25	18			
	H	30	1	9	1	28	13	0,6						
	μ } Geminorum.	30	13	8	2	28	54	59,7						
	ν	30	12	7	8	28	51	21,5						
	γ	33	3	4	0	31	7	40,5				29, 77	39	33
	ε	37	3	6	3	34	53	9,9						
		27	13	14	0	26	7	31,8						
20.	☉ Center. Estimated.	51	1	8	5:	47	54	6½	47	54	5	29, 88	41	44
22.	☉ Lower L.	39	5	8	10	36	53	15	36	53	12	30, 14	39	34
	α Orionis.	47	1	0	5	44	7	20,9						
	H	30	1	9	1	28	13	0,6						
	μ } Geminorum.	30	13	8	1	28	54	58,7						
	ν	30	12	7	6½	28	51	20				30, 14	38	32
	γ	33	3	4	0	31	7	40,5						
	ε	37	3	6	2	34	53	8,9						
		27	13	14	0	26	7	31,8						
24.	☉ Lower L.	65	5	7	3	61	15	25				29, 73	41	45
	☉ Lower L.	31	6	13	9	29	27	51	29	27	50	29, 60	42	43
25.	μ } Geminorum.	30	13	8	2	28	54	59,7						
	ν	30	12	7	7	28	51	20,5						
	☉ Upper L.	33	3	4	0½	31	7	41						
	☉ Geminorum.	29	3	6	2	27	23	9	27	23	7	29, 67	40	38½
		27	13	14	0	26	7	31,8						
26.	☉ Upper L.	63	15	9	7	59	58	34½				29, 80	40	40
	☉ Lower L.	64	8	12	9	60	30	55-	60	30	54			
27.	☉ Upper L.	31	0	10	4	29	6	1	29	6	0	29, 54	40+	40
28.	☉ Upper L.	34	3	2	8	32	3	37+	32	3	38	30, 11	40	37
29.	☉ Upper L.	38	7	3	4	36	2	50	36	2	48	30, 33	39	35
MAR. 1.	☉ Upper L.	62	5	13	9	58	28	5				30, 35	39	38
	☉ Lower L.	62	15	0	10	59	0	24	59	0	25			
	H	30	1	9	1	28	13	0,6						
	μ } Geminorum.	30	13	8	2	28	54	59,7						
	ν	30	12	7	6½	28	51	20						
	γ	33	3	4	0-	31	7	40,5				30, 33	39	35
	ε	37	3	6	2	34	53	8,9						
		27	13	14	0	26	7	31,8						
	☉ Upper L.	43	7	6	6	40	44	46½	40	44	47	30, 30	38	31
	Mars's Center.	46	14	15	0	44	00	1	44	0	0	30, 30	38	31
4.	☉ Upper L.	61	2	4	5	57	19	14,6				30, 00	42	43
	☉ Lower L.	61	11	7	3	57	51	30,6	57	51	30			
	Mars's Center.	46	7	10	0	43	34	18½	43	34	17	30, 04	39	32
	☉ Lower L.	60	9	11	11	56	49	14½	56	49	13	30, 04	39	32
	88 Virginis.	60	14	3	6	57	4	58,7						
6.	☉ Upper L.	60	5	1	1	56	32	49				30, 15	42	42
	☉ Lower L.	60	14	4	1	57	5	7	57	5	6			
	Venus's Center.	74	3	7	10	69	34	45	69	34	44	30, 28	40	38½

In MARCH MDCC LX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
7.	☉ Lower L. ☉ Upper L. Mars's Center. ♂ Lower L. ♂ 18 Scorpii. ♂ Ophiuchi.	60	7	10	0	56	41	48½				30, 30	41	46
		59	14	7	0	56	9	30½						
		46	0	5	9	43	8	45	56	9	30	29, 36	42	39
		74	15	11	3	70	17	42	43	8	45	30, 35	41	36
		63	1	12	4	59	9	58,1	70	17	40			
		59	3	15	2	55	32	37,6						
8.	☉ Lower L. ☉ Upper L.	60	0	15	9	56	18	27				30, 36	42	44
		59	7	12	9	55	46	9	55	46	9			
10.	☉ Upper L. ☉ Lower L. ♂ Upper L. Very faint.	58	10	7	4	54	59	16-				30, 19	44	46
		59	3	10	0	55	31	29½	55	31	29			
		81	9	8	6::	76	29	44,9				30, 00	41	32
11.	☉ Lower L. ☉ Upper L.	58	12	15	4	55	8	3				29, 92	42	41½
		58	3	12	7	54	35	48	54	35	46			
15.	☉ Lower L. ☉ Upper L.	57	2	1	1	53	33	31				29, 93	47	50
		56	8	14	5	53	1	17	53	1	15			
20.	☉ Upper L. ☉ Lower L.	54	7	3	6	51	2	52,1				29, 91	44	46
		55	0	6	3	51	35	7,1	51	35	7			
21.	♂ Lower L. Faint. Aldebaran.	35	13	14	8:	33	37	40-	33	37	38	29, 63	46	49
		37	13	4	0-	35	27	49,9						
22.	♂ Lower L.	32	0	3	0	30	0	39½	30	0	37	29, 68	46½	48½
24.	☉ Upper L. ☉ Lower L.	52	12	5	9	49	28	26+				29, 88	46	53½
		53	5	8	2	50	0	37+	50	0	35			
25.	☉ Lower L.	52	14	12	11	49	37	2,3						
27.	☉ Upper L. ☉ Lower L. ♂ Upper L. γ Leonis.	51	8	5	3	48	18	1½				30, 05	43	46
		52	1	7	5	48	50	8+	48	50	9			
		36	12	15	7	34	30	36	34	30	35	30, 14	41	56
		32	7	3	7	30	25	23,1						
28.	☉ Lower L. ☉ Upper L. ♂ Upper L. Mars's Center. n } Leonis. σ } Venus's Center.	51	10	13	0	48	26	46-				30, 27	42	41
		51	1	10	9	47	54	37-	47	54	39			
		41	9	4	4	38	58	50+	38	58	49	30, 3	43	37
		43	9	4	10	40	51	26+	40	51	25	30, 3	43	37
		39	4	15	9	36	51	15,5						
		47	1	0	5	44	7	20,9						
		66	10	7	2	62	29	13½	62	29	13	30, 31	42	40-
29.	☉ Lower L. ☉ Upper L. Mars's Center. ♂ Upper L. A } Virginis. π }	51	4	2	11	48	3	26,1				30, 28	43	45-
		50	11	0	12	47	31	22,3	47	31	20			
		43	8	4	2	40	47	47+	40	47	47			
		46	14	4	1	43	57	37	43	57	35	30, 19	42	37
		44	7	7	0	41	41	8,8						
		46	6	9	5	43	30	39,3						
30.	☉ Upper L. ☉ Lower L. ♂ Upper L. 35 } Virginis. 37 }	50	4	7	0	47	8	6				30, 10	44	48
		50	13	9	6	47	40	17	47	40	17			
		52	7	9	8	49	11	43+	49	11	41	30, 04	43	38
		49	10	14	0	46	34	28,9						
		50	3	12	6	47	5	47						
31.	☉ Upper L. ☉ Lower L. ♂ Upper L.	49	13	13	11	46	44	59½				29, 93	44	46
		50	6	15	10	47	17	3½	47	17	02			
		58	1	10	8	54	28	21-	54	28	20	29, 86	45	42
APRIL 2.	☉ Lower L. ☉ Upper L. ♂ Lower L. 1 } Libræ. 2 }	49	9	14	0	46	30	58				30, 15	44	44
		49	0	12	2	45	58	55+	45	58	56			
		69	2	11	10	64	50	52	64	50	50	30, 12	41	32
		71	3	3	2	66	44	59,4						
		71	7	1	8	66	58	42,7						
3.	☉ Upper L. ☉ Lower L. ♂ Lower L. π } Scorpii.	48	10	4	0	45	36	2				30, 17	43	46
		49	3	5	10	46	8	3½	46	8	4			
		73	11	3	0	69	5	35	69	5	36	30, 16	43	35
		81	14	14	0	76	48	32,7						
		78	3	10	11	73	20	25,6						
4.	☉ Upper L. ☉ Lower L. ♂ Lower L. 24 Scorpii.	48	3	12	0	45	13	11				30, 22	46	51
		48	12	13	9	45	45	11½	45	45	13			
		77	7	11	11	72	38	27½	72	38	29	30, 22	46	43
		73	4	5	11	68	41	35,7						
5.	☉ Lower L. ☉ Upper L.	48	6	6	10	45	22	34½				30, 14	49	58
		47	13	5	0	44	50	32	44	50	31			
7.	☉ Upper L. ☉ Lower L. ♂ Center. Estimated. Hazy.	47	0	7	7	44	5	24+				30, 00	51	52
		47	9	9	4	44	37	26	44	37	27			
		82	3	15	9::	77	6	29,6				30, 03	50	48
9.	☉ Lower L.	46	12	14	4	43	52	49,8						

In APRIL MDCCCLX.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.	
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
10.	☉	Lower L. Upper L.	46 45	6 13	9 8	9 0	43 42	30 58	43+ 42½		42	58	43	30, 26	56	60
11.	☉	Upper L. } Fluttered. Lower L. }	45 46	7 0	4 5	2 6	42 43	36 8	46+ 42		43	8	43	30, 25	55	57
12.	☉	Lower L. Upper L.	45 45	10 1	2 0	1 8	42 42	46 14	51½ 54½		42	14	55	30, 17	55	58
13.	☉	Upper L. Lower L.	44 45	10 3	13 15	11 3	41 42	53 25	12 08½		42	25	12	30, 06	57	61
14.	☉	Upper L. Lower L.	44 44	4 13	12 13	0 5	41 42	31 3	42 38½		42	3	40	30, 14	57	60
16.	☉	Lower L. Upper L.	44 43	1 8	11 10	4 1	41 40	21 49	0 5+		40	49	5	29, 98	51	55
17.	☉	Upper L. Lower L.	42 43	12 5	11 12	5 9	40 40	7 39	11+ 7		40	39	6			
20.	☉	Lower L. Upper L. Upper L. Faint.	42 42 28	10 1 8	1 0 6	2 0 8:	39 39 26	57 26 44	54½ 1 34½		39 26 26	26 44 32		29, 69 29, 64	58 62	63 66
21.	☉	Lower L. Upper L.	42 41	4 11	4 3	10 4	39 39	37 5	36,5 38,9		39	5	40	29, 72	58	64
22.	☉	Lower L. Upper L. Upper L.	41 41 31	14 5 10	9 8 8	1 0 6	39 38 29	17 45 40	27 37+ 46		38 29	45 40 45		30, 05 30, 04	56 56	55 56
23.	☉	Lower L. Upper L.	41 40	8 15	14 13	1 4	38 38	57 25	28 39½		38	25	39	29, 82	55	57
24.	☉	Upper L. Mars's Center.	39 43	14 11	2 2	6 5	37 40	23 57	30½ 56½		37 40	23 57	30 55	29, 83 29, 83	52 52	47 47
25.	☉	Upper L.	45	1	0	1	42	14	47		42	14	46	29, 88	49	45
26.	☉	Upper L. Lower L. Upper L. Venus's Center.	39 40 50 52	15 8 9 14	3 4 4 13	3 6 4 1	37 37 47 49	27 59 25 37	11½ 6+ 5+ 5½		37 47 49	59 25 37	5 5 5	29, 90 29, 90 29, 95	50 48½ 50	52 45 54
27.	☉	Lower L. Upper L. Upper L. Spica.	40 39 56 65	2 9 3 7	13 13 5 0	8 0- 4 12	37 37 52 61	40 8 41 21	1 14 42½ 3,6		37 52 52	8 41 40		29, 96 30, 05	50 48	55 41
28.	☉	Lower L. Upper L.	39 39	13 4	8 7	2 1	37 36	21 49	14½ 22		36	49	22	30, 04	50	53
29.	☉	Upper L. Lower L. Regulus. Mars's Center. Upper L.	38 39 40 44 67	15 8 14 1 0	2 3 4 9 0	10 10 3 11 0	36 37 38 41 62	30 2 20 20 48	50½ 42 8,9 40½ 45		37 41 62	2 20 48	41 41 43	29, 82 29, 83 29, 83	50 50 48	53 46 40
30.	☉	Lower L. Upper L.	39 71	3 12	0 7	6: 11	36 67	44 17	23,8 39½		67	17	39	29, 81	48	41
MAY 3.	☉	Lower L. Upper L.	38 37	3 10	12 12	9 0	35 35	50 19	50 2½		35	19	0	29, 72	49	51
6.	☉	Upper L.	36	12	3	3::	34	27	53,8							
10.	☉	Upper L. Very faint.	60	9	8	7::	56	48	30,9		56	48	30			
11.	☉	Lower L. Upper L.	35 35	14 5	9 8	4 9	33 33	40 8	0 14+		33	8	12	30, 01	53	52
12.	☉	Upper L. Lower L.	35 35	1 10	4 5	5 0	32 33	53 25	13½ 0+		33	25	0	30, 08	53	57
13.	☉	Lower L. Upper L.	35 34	6 13	1 1	9 4	33 32	10 38	13- 29½		32	38	28	30, 14	55	60
14.	☉	Lower L. Upper L.	35 34	2 8	0 15	1 8	32 32	55 24	47,9 3,3		32	24	4	30, 17	56	64
15.	☉	Upper L. Lower L.	34 34	4 14	15 0	8 0	32 32	9 41	59 43		32	41	42	30, 16	59	65
22.	☉	Upper L. Lower L.	32 33	11 4	7 8	9 0	30 31	40 12	21,6 4,2		31	12	2	29, 68	51	54
23.	☉	Lower L. Upper L. Upper L.	33 32 48	1 8 11	4 3 1	0 10 6	31 30 45	0 28 38	38½ 57 59½		30 45	28 39	56 0	29, 77 29, 74	53 54	59 55
24.	☉	Lower L. Upper L. Upper L.	32 32 54	14 5 5	1 1 5	10 6 0	30 30 50	49 17 56	36+ 54 10½		30 50	17 56	52 8	29, 70 29, 70	56 56	62 55

In JUNE MDCC LX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h 24.	k { <i>Virginis.</i> 48 }	57	9	1	6	53	58	12,6						
		57	6	9	10	53	49	29,3						
o 25.	Upper L.	59	14	12	0::	56	10	36	56	10	34	29, 54	55	50
δ 27.	α { <i>Librae.</i> 18 }	70	14	7	8	66	28	23,4						
		65	11	9	0	61	36	54						
	Upper L.	70	4	1	10	65	51	57	65	51	55	29, 54	56	54
γ 28.	⊙ Upper L.	31	9	8	7	29	37	15,9						
	Upper L.	74	9	14	6	69	57	19	69	57	18	29, 78	56	52
	β } <i>Scorpii.</i> double.	75	4	4	0	70	33	41,5						
		74	14	15	2	70	15	2,9						
h 31.	⊙ Upper L.	31	1	15	7	29	10	40½				29, 96	64	73
	⊙ Lower L.	31	10	15	10	29	42	22	29	42	20			
	Upper L.	82	1	0	7	76	56	8	76	56	6	29, 90	63	62
	φ <i>Sagittarii.</i>	83	13	10	7	78	36	46						
⊙ JUNE 1.	⊙ Lower L.	31	8	11	0	29	34	17,5				29, 81	66	76
	⊙ Upper L.	30	15	11	0-	29	2	39,1	29	2	33			
h 2.	Upper L.	80	11	5	2	75	39	48+	75	39	47	29, 78	66	63
δ 3.	⊙ Lower L.	31	4	5	10	29	19	4½				29, 81	70	76
	⊙ Upper L.	30	11	6	0	28	47	29½	28	47	26			
	Upper L.	77	15	14	8	73	7	11½	73	7	11	29, 90	67	62
γ 4.	⊙ Upper L.	30	9	6	11	28	40	38,5						
	⊙ Lower L.	31	2	6	10	29	12	16	29	12	14			
h 7.	⊙ Lower L.	30	13	2	8	28	53	46½				29, 85	65	08
	⊙ Upper L.	30	4	2	9	28	22	9	28	22	9			
h 9.	⊙ Upper L.	30	1	3	9	28	11	49½				30, 05	63	65
	⊙ Lower L.	30	10	4	0	28	43	32	28	43	30			
δ 10.	⊙ Lower L.	30	8	15	0	28	38	55+				29, 98	64	69
	⊙ Upper L.	29	15	15	0	28	7	17-	28	7	17			
γ 11.	⊙ Upper L.	29	14	12	1	28	3	7+				29, 96	63	68
	⊙ Lower L.	30	7	12	3	28	34	48-	28	34	46			
γ 13.	⊙ Upper L.	29	12	12	0	27	56	4½				29, 87	59	60
	⊙ Lower L.	30	5	11	11	28	27	40½	28	27	39			
h 14.	⊙ Lower L.	30	4	14	7	28	24	45				29, 92	56	59
	⊙ Upper L.	29	11	14	9	27	53	9	27	53	8			
δ 17.	⊙ Upper L.	29	10	2	0	27	46	50½	27	46	47	29, 75	58	61½
γ 18.	⊙ Lower L.	30	2	11	10	28	17	7				29, 51	60	65
	⊙ Upper L.	29	9	12	5	27	45	36½	27	45	35			
	Upper L.	41	2	1	3	38	33	33	38	33	31	29, 48	60	64
h 19.	Upper L.	46	9	14	9	43	42	22	43	42	21	29, 45	59	62
γ 20.	⊙ Upper L.	29	9	6	3	27	44	15,5						
h 21.	Upper L.	58	0	1	7	54	22	50+	54	22	50	29, 70	59	60
⊙ 22.	Upper L.	63	7	15	0	59	31	39	59	31	35	29, 53	59	58
	<i>Arcturus.</i>	33	1	8	3	31	1	34,4						
h 23.	Upper L.	68	9	15	4	64	20	0+	64	20	1	28, 92	57	57
δ 24.	⊙ Lower L.	30	3	0	10	28	18	13-				28, 97	58	63
	⊙ Upper L.	29	10	1	0	27	46	37½	27	46	35			
γ 25.	⊙ Lower L.	30	3	8	2	28	19	50+						
	Upper L.	77	1	0	9	72	14	55	72	14	55	29, 48	57	55
	24 <i>Scorpii.</i>	73	4	6	2	68	41	39,9						
γ 27.	⊙ Upper L.	29	11	12	8	27	52	38½				29, 29	60	67
	⊙ Lower L.	30	4	12	9	28	24	21	28	24	20			
h 28.	ι } <i>Sagittarii.</i> σ }	79	6	6	0	74	26	9,7						
		83	2	12	0	77	58	25,1						
	ζ }	87	0	2	6	81	34	17,4				29, 72	58	54
	Upper L.	82	3	4	8	77	4	3½				29, 72	58	54
	Lower L.	82	11	13	0	77	34	1½	77	34	3			
⊙ 29.	Lower L.	81	12	13	6	76	41	23½	76	41	22	30, 04	60	62
h 30.	⊙ Lower L.	30	7	9	0	28	34	5				30, 07	63	74
	⊙ Upper L.	29	14	9	5	28	2	31	28	2	28			
	Upper L.	78	14	15	10	74	0	11	74	0	12	30, 11	62	61
h JULY 3.	⊙ Upper L.	30	2	6	5	28	15	56				29, 92	65	70
	⊙ Lower L.	30	11	6	3	28	47	32½	28	47	30			
γ 4.	⊙ Upper L.	30	3	14	5	28	21	12,4				29, 90	66½	72½
h 7.	⊙ Lower L.	31	2	1	0	29	11	0,1				29, 99	62	60
	Center. Estimated.	40	3	6	8	37	42	0	37	41	58			

In JULY MDCC LX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.				S.
♂ 8.	☉ Upper L. ☉ Lower L.	30	11	0	2	28	46	12+				30, 0	63	68
♀ 9.	☉ Lower L.	31	6	0	10	29	25	0.6						
♂ 10.	☉ Upper L. ☉ Lower L.	30	15	4	0	29	1	7-				29, 88	62	65
		31	8	3	10	29	32	42	29	32	42			
♂ 12.	☉ Lower L. ☉ Upper L.	31	12	14	2	29	49	3-				30, 11	61	55
		31	3	14	8	29	17	30½	29	17	29			
☉ 13.	☉ Upper L.	31	6	6	6	29	26	15.7				30, 16	64	71
♂ 15.	☉ Upper L. ☉ Lower L.	31	11	11	2	29	44	52				30, 06	68	78
		32	4	11	3	30	16	32-	30	16	30			
♂ 17.	☉ Lower L. ☉ Upper L. ☉ Center. Estimated.	32	10	6	7	30	36	35½				29, 95	70	76
		32	1	6	10	30	5	0	30	5	0			
		50	5	1	2::	47	10	19.9				24, 94	73	81
♀ 18.	☉ Lower L. ☉ Upper L. Very faint.	32	13	6	9	30	47	10.3				30, 00	69	72
		55	14	0	0:	52	22	58	52	22	56	30, 00	73	78
♂ 19.	☉ Lower L. ☉ Upper L. ☉ Upper L. Faint.	33	0	8	5	30	58	5½				30, 00	70	74
		32	7	8	10	30	26	32	30	26	31			
		61	8	11	0	57	41	47	57	41	43	29, 96	73	81
☉ 20.	☉ Upper L. ☉ Lower L.	32	10	12	0	30	37	47½				30, 06	70	73
		33	3	12	1	31	9	27	31	9	28			
♂ 21.	☉ Lower L.	33	7	0	8	31	20	59.6						
♂ 22.	☉ Lower L. ☉ Upper L. ☉ Upper L.	33	10	7	3	31	32	59½				30, 09	66	68
		33	1	7	8	31	1	26+	31	1	25			
		75	13	3	5	71	5	11½	71	5	13	29, 97	67	67
♀ 23.	☉ Upper L. ☉ Lower L. ☉ Upper L. ☉ Ophiuchi.	33	4	14	5	13	13	28				29, 96	62½	61
		33	13	15	7:	31	45	22	31	45	24			
		79	1	7	4	74	8	52+	74	8	53			
		71	4	13	5	66	50	45.1				30, 08	60	52½
♂ 24.	☉ Upper L. ☉ Sagittarii. ☉ Sagittarii. ☉ Sagittarii. ☉ Sagittarii.	81	4	9	4	76	12	21½	76	12	22	30, 07	61	56
		87	3	9	2	81	46	18.5						
		77	5	12	0	72	31	27.9						
		86	11	3	3	81	16	52.9						
		91	7	10	7	85	45	40.4						
♂ 26.	☉ Lower L. ☉ Upper L.	34	9	0	6	32	24	14½				29, 83	61	63
		34	0	0	9	31	52	39	31	52	37			
☉ 27.	☉ Lower L. ☉ Upper L. ☉ Capricorni.	80	6	10	5	75	23	22½				30, 00	60	56
		79	13	14	4:	74	52	36-	74	52	36	30, 00	60	56
		74	14	14	2	70	14	49.7						
♂ 28.	☉ Upper L.	34	7	13	9	32	20	6.9						
♂ 29.	☉ Lower L. ☉ Upper L. ☉ Upper L. ☉ Aquarii. ☉ Aquarii.	35	4	14	8	33	6	1+				30, 09	64	74
		34	11	15	0	32	34	28	32	34	27			
		72	2	9	11	67	39	11½	67	39	11	29, 95	62	60
		76	4	5	10	71	30	19.7						
		71	3	3	8	66	45	5.4						
♀ 30.	☉ Lower L. ☉ Upper L.	35	9	1	1	33	20	37½				29, 78	65	72
		35	0	1	3	32	49	1+	32	49	0			
☉ AUG. 3.	☉ Lower L. ☉ Upper L. ☉ Upper L.	36	10	7	7	34	21	48½				29, 73	66	70
		36	1	7	8	33	50	11+	33	50	12			
		41	10	9	4	39	3	27	39	3	26	29, 71	64	60
♂ 4.	☉ Upper L.	36	3	8	0	33	57	18+	33	57	15	29, 38	65	62
♀ 6.	☉ Upper L. ☉ Lower L.	36	15	6	0	34	39	3+				29, 56	65	70
		37	8	6	3:	35	10	44½	35	10	45			
♂ 7.	☉ Lower L. ☉ Upper L.	37	13	2	11	35	27	34.6				29, 76	66	70
		37	4	2	9	34	55	54	34	55	53			
♀ 8.	☉ Upper L.	37	9	0	7	35	13	0½	35	12	58	29, 61	66	69
♂ 11.	☉ Lower L.	39	1	0	11	36	37	26.9				29, 91	66	74
♂ 14.	☉ Jupiter's Center. last wire.	71	0	9	4	66	35	48-	66	35	46	29, 82	60	55
♀ 15.	☉ Jupiter's Center. ☉ Saturn's Center.	71	1	5	8	66	38	30	66	38	31	29, 87	59	55
		58	4	9	2	54	38	34½	54	38	33	29, 87	59	55
♂ 16.	☉ Jupiter's Center. ☉ Aquarii.	71	2	1	10	66	41	10	66	41	10	29, 80	59	56½
		70	14	4	5	66	27	40.9						
☉ 17.	☉ Upper L.	40	7	14	5	37	57	46.1				29, 75	60	64
♂ 18.	☉ Saturn's Center.	58	5	14	8	54	43	17+	54	43	16	29, 67	60	58
♂ 19.	☉ Lower L. } Hazy. ☉ Upper L. } ☉ Upper L.	41	12	1	1:	39	8	40½				29, 71	63	70½
		41	3	0	9::	38	36	57-	38	36	55			
		78	1	12	6:	73	13	45	73	13	44	29, 68	64	67

In SEPTEMBER MDCC LX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		Deg.	Deg.
20.	☉ Upper L. ☉ Lower L.	41	8	10	10	38	56	44,3				29, 66	63	67
21.	☽ Lower L.	82	11	2	4	77	31	40½	77	31	40	29, 62	60	67
22.	☉ Lower L. ☉ Upper L. ☽ Lower L.	42	13	2	11	40	8	49½				29, 54	64	69
		42	4	2	0:	39	37	0	39	37	1			
		82	12	9	5	77	36	45	77	36	44	29, 63	64	63
23.	☉ Upper L. ☉ Lower L. ☽ Lower L.	42	9	14	10	39	57	23				29, 72	65	70
		43	2	15	7	40	29	11½	40	29	13			
		81	7	1	10	76	21	14½	76	21	14	29, 78	63	61½
25.	☉ Lower L. ☉ Upper L.	43	14	11	8:	41	10	31				29, 83	62	63
		43	5	11	3::	40	38	47½	40	38	47			
26.	☉ Upper L. ☉ Lower L.	43	11	10	0	40	59	37				29, 96	59	62
		44	4	10	12	41	31	27½	41	31	28			
27.	☉ Lower L. ☽ Upper L.	44	10	11	0::	41	52	34,4				30, 07	57	52
		62	12	10	9:	58	52	2	58	52	0			
28.	☉ Upper L. ☉ Lower L. ☽ Upper L. e Piscium. 33 Ceti.	44	7	10	10	41	41	58½				30, 07	58	62
		45	0	11	6	42	13	46	42	13	46½			
		56	4	6	6	52	45	29	52	45	29	29, 96	56	52
		50	3	8	11	47	4	59,3						
		53	10	5	0	50	17	30,3						
29.	☽ Upper L. 112 Piscium.	49	10	0	5	46	31	29	46	31	28	29, 92	56	52
		52	13	1	3	49	30	58,4						
30.	☉ Lower L.	45	12	14	10	42	56	40,8						
31.	65 Arietis. ξ Tauri. ☽ Upper L.	33	10	2	5	31	31	55,7				30, 02	58	52
		45	6	11	5	42	34	50,6						
		37	7	13	3	35	8	46	35	8	45			
SEPT. 1.	☉ Upper L. ☉ Lower L. ☽ Upper L.	46	0	4	0	43	8	22½				30, 12	59	62½
		46	9	5	3	43	40	17½	43	40	17			
		32	13	2	1	30	46	9½	30	46	9	30, 23	54	49½
2.	☉ Lower L. ☉ Upper L.	46	15	8	11	44	2	10½				30, 26	58	63
		46	6	8	1	43	30	22	43	30	22			
6.	☉ Upper L. ☉ Lower L.	47	15	13	0	44	59	20½				30, 21	64	68
		48	8	14	0	45	31	12	45	31	14			
7.	☉ Lower L. ☉ Upper L.	48	15	4	11	45	53	48-				30, 13	63	67
		48	6	3	9	45	21	54	45	21	54			
8.	☉ Lower L. ☉ Upper L.	49	5	11	10	46	16	24,7				30, 13	63	69
		48	12	10	10	45	44	33,1	45	44	34			
9.	☉ Upper L. β } Draconis. N. γ }	49	3	1	10½	46	7	11½	46	7	10	30, 14	63	69
		1	1	5	0	1	0	52	1	0	54			
		0	0	14	8	0	3	12½	0	3	14			
10.	☉ Upper L. ☉ Lower L. β } Draconis. N. γ }	49	9	9	9	46	30	1				30, 16	64	68
		50	2	11	6	47	2	3	47	2	1			
		1	1	5	2-	1	0	53,9						
		0	0	14	7½	0	3	12,1						
11.	☉ Upper L. ☉ Lower L.	50	0	2	1	46	52	57				30, 18	65	70
		50	9	3	7	47	24	55	47	24	55			
12.	☉ Lower L. ☉ Upper L.	50	15	11	11	47	47	50,1				30, 13	64	67
		50	6	10	11	47	15	58,5	47	15	57			
13.	☉ Upper L. ☉ Lower L. ☽ Center. Estimated.	50	13	3	6	47	38	57½				29, 93	64	67
		51	6	5	0	48	10	56½	48	10	56			
		68	7	11	11	64	12	12½	64	12	11	29, 88	65	68
14.	☉ Lower L. ☉ Upper L. Saturn's Center.	51	12	13	10	48	33	57,6				29, 73	63	67
		51	3	12	8	48	2	4	48	2	2			
		59	3	11	9	55	31	52-	55	31	51	29, 70	62	58
17.	☉ Upper L. { Hazy. ☉ Lower L. { ☽ Upper L. Horns vertical. Saturn's Center. 29 Piscium.	52	7	9	5	49	11	40+				29, 52	63	71
		53	0	11	6:	49	43	46	49	43	47			
		81	15	13	0	76	51	50½	76	51	50	29, 46	66	72
		59	5	5	7	55	37	32½	55	37	35	29, 46	64	68
		59	8	9	2	55	48	52,2						
20.	☽ Lower L. Hazy.	80	4	3	11:	75	14	54+	75	14	55	29, 66	61	57
22.	☉ Upper L. ☉ Lower L. ☽ Lower L. 2 τ } Aquarii. λ } Saturn's Center.	54	8	13	0	51	8	28,9				29, 18	61	63
		55	1	14	9	51	40	29,5	51	40	30			
		71	15	4	2	67	27	24-	67	27	23	29, 24	59	55
		70	11	6	0	66	17	29,4						
		64	5	1	1	60	17	48,9						
		59	7	15	10	55	46	49+	55	46	40	29, 24	59	55
23.	☉ Upper L.	54	15	7	3	51	31	49-				29, 24	61	63

In OCTOBER MDCCCLX.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♂ 23.	☉ Lower L.	55	8	9	2	52	3	53+	52	3	55			
♀ 24.	☉ Lower L.	55	15	3	9	52	27	17½				29, 31	61	65
	☉ Upper L.	55	6	2	0	51	55	17	51	55	17			
♂ 25.	☉ Upper L.	55	12	12	5	52	18	39½				29, 26	61	63
	☉ Lower L.	56	5	14	6	52	50	45+	52	50	44			
♂ 27.	☉ Upper L.	56	10	1	10½	53	5	32½	53	5	32	29, 46	62	64
	♂ Upper L.	39	2	13	10	36	43	48+	36	33	47	29, 36	60	59
♂ 29.	♂ Upper L.	30	2	6	7	28	15	58	28	15	56	29, 60	58	55
	♂ Tauri.	32	8	7	0	30	29	39,8						
♀ Oct. 1.	♂ Lower L.	28	9	12	10	26	49	26½	26	49	25	29, 95	62	56
♀ 3.	♂ Lower L.	33	10	1	9	31	31	46½	31	31	43	30, 07	57	55
♂ 4.	☉ Lower L.	60	1	10	0:	56	20	42,8						
	☉ Upper L.	59	8	8	0::	55	48	38	55	48	38			
♀ 10.	☉ Upper L.	61	15	10	9	58	6	19,9				29, 68	53	55
	☉ Lower L.	62	8	13	4	58	38	32,9	58	38	33			
♂ 11.	☉ Upper L.	62	6	1	11	58	28	59-				29, 81	53	55
	☉ Lower L.	62	15	4	5	59	1	12-	59	1	12			
♂ 18.	♂ Lower L.	78	11	5	1	73	47	17+	73	47	17	30, 01	57	58
	Jupiter's Center.	72	10	0	9	68	5	18½	68	5	18			
♂ 20.	☉ Lower L.	66	7	13	1	62	19	58,9				29, 72	56	53
	☉ Upper L.	65	14	10	4	61	47	44	61	47	45			
	♂ Lower L.	69	4	3	2	64	56	0+	64	56	0	29, 73	51	45
♀ 22.	♂ Lower L.	56	5	0	8	52	47	42½	52	47	39	28, 82	50	47
♀ 24.	♂ Lower L.	42	8	10	10	39	52	59+	39	52	58	29, 09	42	38
	α Ceti.	58	8	11	1	54	53	3,5						
♂ 25.	♂ Upper L.	35	15	5	10:	33	42	45	33	42	44	29, 37	43	37
	A } Tauri.	32	1	0	6	30	3	36,9						
	γ }	38	13	13	1	36	26	4,6						
☉ Nov. 2.	♂ Lower L.	47	4	8	0:	44	19	34+	44	19	33	29, 44	44	44
♀ 7.	☉ Lower L.	72	12	9	0	68	14	10				29, 28	46	49
	☉ Upper L.	72	3	5	5	67	41	43½	67	41	44			
♂ Dec. 4.	☉ Lower L.	79	0	2	4	74	4	15				29, 04	45	47
	☉ Upper L.	78	6	14	0	73	31	40	73	31	41			
♂ 6.	☉ Upper L.	78	11	0	0	73	46	10				29, 9	32	42
	☉ Lower L.	79	4	3	9	74	18	37+	74	18	38			
♀ 10.	Saturn's Center.	60	7	6	4	56	40	59	56	40	59	29, 82	45	44
♂ 11.	☉ Lower L.	79	3	1	9	74	14	40	74	14	38	30, 1	40	43
♂ 13.	♂ Lower L.	73	10	8	8	69	3	17,8	69	3	17	29, 4	44	41
	Saturn's Center.	60	6	9	11	56	38	15½	56	38	16			
☉ 14.	♂ Lower L.	68	7	12	0	64	12	15	64	12	13½	29, 84	43	35
	Saturn's Center.	60	6	5	0	56	37	11½	56	37	11			
♂ 15.	☉ Lower L.	80	0	8	0	75	1	45				29, 4	41	44
	☉ Upper L.	79	7	4	1	74	29	15	74	29	14			
♀ 17.	♂ Lower L.	49	8	5	0	45	25	28	46	25	29	29, 9	42	40
♂ 20.	☉ Lower L.	80	2	11	11	75	9	38,7				29, 77	44	44
	☉ Upper L.	79	9	7	10	74	37	5,7	74	37	4½			
♂ 22.	☉ Upper L.	79	9	7	0	74	36	56				29, 8	51	48
	☉ Lower L.	80	2	10	12	75	9	26	75	9	25			
	♂ Upper L.	27	9	6	8	25	51	50	25	51	49	29, 82	45	42
♂ 23.	☉ Lower L.	80	2	7	1	75	8	35½				30, 0	44	45
	☉ Upper L.	79	9	3	4	74	36	7	74	36	6			
♀ 26.	Saturn's Center.	60	1	15	10	56	21	58,7	56	21	57	30, 00	48	43
	♂ Lower L.	43	2	9	0	40	27	45,5	40	27	45	30, 0	44	39
♂ 27.	♂ Lower L.	49	2	10	10	46	5	38	46	5	37	29, 57	40	39
♂ 29.	☉ Lower L.	79	14	4	0	74	53	51				29, 52	44	46
	☉ Upper L.	79	5	0	12	74	21	30	74	21	27			
	♂ Lower L.	61	3	5	9	57	23	3-	57	23	2	29, 62	42	32

In JANUARY MDCC LXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
11 JAN. I.	☉ Lower L. Very hazy.	79	1	3	0	74	7	55	74	7	55			
♀ 2.	☉ Lower L.	79	8	14	5	74	34	26				29, 36	46	45
	☉ Upper L.	78	15	10	0	74	2	26	74	2	25			
☉ 11.	☉ Upper L.	77	11	15	2	72	53	15				30, 3	38	40
	☉ Lower L.	78	5	3	4	73	25	48	73	25	49			
♂ 12.	♂ Tauri.	24	10	0	10	23	5	19,4	23	5	18	30, 58	38	33,3
♂ 13.	☉ Lower L.	77	15	8	0	73	5	44,5				30, 56	35	37
	☉ Upper L.	77	6	3	5	72	33	5	72	33	5			
♂ 17.	☉ Upper L.	76	9	6	9	71	48	6				30, 13	40	41
	☉ Lower L.	77	2	11	2	72	20	43	72	20	42			
☉ 18.	☉ Lower L.	76	15	3	2	72	8	25				30, 4	38	40
	☉ Upper L.	76	5	14	9	71	35	48	71	35	48			
	♂ Upper L.	27	11	15	2	26	0	45	26	0	44	30, 47	39	32
♀ 23.	☉ Upper L. Very hazy.	75	2	14	7::	70	28	58				30, 4	43	42
	☉ Lower L.	75	12	2	8	71	1	30,6	71	1	30			
	♂ Lower L.	46	7	10	3	43	34	21	43	34	18	30, 43	40	35
♂ 24.	♂ Lower L. ♄.	52	12	7	10	49	28	53	43	34	51	30, 37	38	30
☉ 25.	☉ Lower L.	75	3	13	8	70	32	17	70	32	16	30, 47	38	39
	☉ Upper L.	74	10	9	6	69	59	44	69	59	42			
	♂ Lower L.	59	0	0	7	55	18	50	55	18	49	30, 4	39	34
♂ 27.	☉ Upper L.	74	1	13	11	69	29	3				30, 27	38	39
	☉ Lower L.	74	11	2	3	70	1	39	70	1	37			
♀ 30.	☉ Lower L.	73	13	5	12	69	13	15				30, 16	33	36
	☉ Upper L.	73	4	1	5	68	40	37	68	40	38			
	Aldebaran.	37	13	2	7	35	27	30,6						
	α Orionis.	47	1	0	0	44	7	15,9						
	H } Geminorum.	30	1	9	0	28	12	59,6						
	μ } Geminorum.	30	12	7	12	28	51	25,5						
☉ FEB. I.	H } Geminorum.	30	1	9	2	28	13	1,6						
	μ } Geminorum.	30	12	7	4	28	51	17,5						
	ν } Geminorum.	33	3	3	11	31	7	38,4						
	γ } Geminorum.	37	3	6	2	34	53	8,9						
	ε } Geminorum.	27	13	14	0	26	7	31,8						
♂ 2.	☉ Upper L.	72	5	8	13	67	49	33				30, 2	48	42
	☉ Lower L.	72	14	13	0	68	22	4	68	22	2			
♂ 3.	☉ Lower L.	72	9	12	10	68	4	26				30, 27	49	45
	☉ Upper L.	72	0	8	6	67	31	50	67	31	48			
	H } Geminorum.	30	1	9	1	28	13	0,6						
	η } Geminorum.	30	13	8	10	28	55	7,7						
	μ } Geminorum.	30	12	7	6	28	51	19,5				30, 29	44	44
	ν } Geminorum.	33	3	3	11	31	7	38,4						
	γ } Geminorum.	37	3	6	2	34	53	8,9						
	ε } Geminorum.	27	13	14	0	26	7	31,8						
♀ 4.	☉ Upper L.	71	11	6	10	67	13	54				30, 4	45	44
	☉ Lower L.	72	4	10	6	67	46	21+	67	46	21			
♂ 5.	☉ Lower L.	71	15	7	7	67	28	8				30, 5	40	42
	☉ Upper L.	71	6	3	5-	66	55	35	66	55	34			
♀ 11.	α Orionis.	74	1	0	0	69	26	0,9				30, 5	42	40
	H } Geminorum.	30	1	9	0	28	12	59,6						
	η } Geminorum.	30	13	8	0	28	54	57,7						
	μ } Geminorum.	30	12	7	2	28	51	15,5						
	ν } Geminorum.	33	3	3	8	31	7	35,4						
	γ } Geminorum.	37	3	6	3	34	53	9,9						
	ε } Geminorum.	37	13	13	12½	35	30	1,1						
	Syrus.	72	5	13	10	67	50	36						
♀ 13.	☉ Upper L.	68	10	2	9	64	20	44,7				29, 47	43	41
	☉ Lower L.	69	3	6	12	64	53	18	64	53	16			
♂ 16.	☉ Lower L.	68	1	14	0	63	51	35				29, 45	47	46
	☉ Upper L.	67	8	10	1	63	19	5	63	19	4			
	H Geminorum.	30	1	9	2	28	13	1,6						
	♂ Upper L.	28	13	7	3	27	2	17½	27	2	16+	29, 59	44	43
♂ 17.	H } Geminorum.	30	1	9	2	28	13	1,6						
	η } Geminorum.	30	13	7	13	28	54	57,5						
	μ } Geminorum.	30	12	7	5	28	51	18,5						
	ν } Geminorum.	33	3	3	10	31	7	37,4				29, 92	45	40
	γ } Geminorum.	37	3	6	2	34	53	8,9						
	ε } Geminorum.	27	13	14	0	26	7	31,8						
	Syrus.	72	5	14	0	67	50	39,3						

In MARCH MDCCCLXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.									
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.							
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.										
♂ 17.	Upper L.	32	2	11	3	30	9	29	30	9	28	29, 9	43	39							
♀ 18.	Upper L.	66	12	9	9	62	39	49	63	9	20	30, 2	41	43							
	Lower L.	67	5	13	10	63	9	21													
	Aldebaran.	37	13	2	7	35	27	30,6													
	β Tauri.	24	10	0	6	23	5	15,4													
	α Orionis.	47	1	0	5	44	7	20,9													
	H } Geminorum.	30	1	9	2	28	13	1,6	29, 9	42	37										
	η } Geminorum.	30	13	8	0	28	54	57,7													
	Upper L.	37	0	3	3	34	41	57				34	41	56							
♂ 19.	Aldebaran.	37	13	2	12	35	27	35,6													
	β Tauri.	24	10	0	10	23	5	19,4													
♀ 20.	Lower L.	66	9	10	10	62	26	30	61	54	1	29, 66	42	42							
	Upper L.	66	0	7	1	61	54	3													
♂ 24.	β Tauri.	24	10	0	10	23	5	19,4				30, 3	43	42							
	α Orionis.	47	1	0	2	44	7	17,9													
	H } Geminorum.	30	1	8	12	28	12	58,4													
	η } Geminorum.	30	13	8	0	28	54	57,7													
	μ } Geminorum.	30	12	7	2	28	51	15,5													
	ν } Geminorum.	30	3	3	10	28	18	52,4													
	☉ MAR. 1.	Upper L.	62	7	7	7	58	33							46	59	6	6	29, 97	47	47
		Lower L.	63	0	10	11	59	6							8						
♂ 2.	Lower L. Very faint.	62	10	3	2	58	43	21	58	10	52	29, 45	49	47							
	Upper L.	62	0	15	6	58	10	53													
	β Tauri.	24	10	0	12	23	5	21,4													
	α Orionis.	47	1	0	4	44	7	19,9													
	H } Geminorum.	30	1	9	2	28	13	1,6													
	η } Geminorum.	30	13	8	2	28	54	59,7													
	μ } Geminorum.	30	12	7	10	28	51	23,5													
	ν } Geminorum.	33	3	4	0	31	7	40,5													
	γ } Geminorum.	37	3	6	5	34	53	11,9													
	ε } Geminorum.	27	13	14	1	26	7	32,8													
	Syrus.	72	5	14	0	67	50	40													
	♂ 5.	Aldebaran.	37	13	2	10	35	27							33,6				30, 2	46	47
		α Orionis.	47	1	0	6	44	7							21,9						
		η } Geminorum.	30	13	8	2	28	54							59,7						
	μ } Geminorum.	30	12	7	10	28	51	23,5													
	ν } Geminorum.	33	3	4	0	31	7	40,5													
	γ } Geminorum.	37	3	6	8	34	53	14,9													
	ε } Geminorum.	27	13	14	1	26	7	32,8													
☉ 8.	Upper L.	59	9	6	6	55	51	47	56	24	5										
	Lower L.	60	2	9	7	56	24	7													
♂ 9.	Lower L.	59	11	15	6	56	00	48	55	28	23	29, 5	46	40							
	Upper L.	59	2	11	12	55	28	22													
	ε Geminorum.	27	13	14	0	26	7	31,8							29, 4	46	46				
♂ 10.	α Orionis.	47	1	0	5	44	7	20,9													
	H } Geminorum.	30	1	8	11	28	12	57,4													
	η } Geminorum.	30	13	8	1	28	54	58,7													
	γ } Geminorum.	37	3	6	4	34	53	10,9													
	ε } Geminorum.	27	13	13	13	26	7	38,6													
	♀ 11.	Upper L.	58	5	6	5	44	41							29	55	13	42	29, 3	47	45
	Lower L.	58	14	9	4	55	13	44													
♀ 13.	η } Geminorum.	30	13	8	0	28	54	57,7													
	μ } Geminorum.	30	12	7	12	28	51	25,5													
	ν } Geminorum.	33	3	3	12	31	7	39,4													
	ε } Geminorum.	27	13	13	12	26	7	30,6													
	♂ 14.	Lower L.	57	10	7	2	54	2							58	53	30	38	29, 6	49	47
	Upper L.	57	1	4	0	53	30	39													
	β Tauri.	24	10	0	11	23	5	20,4													
	H } Geminorum.	30	1	8	13	28	12	59,4													
	η } Geminorum.	30	13	8	0	28	54	57,7													
	μ } Geminorum.	30	12	7	7	28	51	20,5													
	ν } Geminorum.	33	3	3	11	31	7	38,4													
	γ } Geminorum.	37	3	6	2	34	53	8,9													
	Upper L.	27	2	13	9	25	28	47	25	28	45	29, 66	47	44							
☉ 15.	Upper L.	56	10	8	9	53	7	3	53	7	3	29, 7	51	47							
♂ 16.	Upper L.	30	8	0	9	28	35	46	28	35	46	29, 8	44	41							
♀ 18.	Lower L.	55	15	7	0	52	28	1	52	28	2										
♂ 21.	Upper L.	54	2	2	3	50	45	1				29, 9	46	44							

In APRIL MDCC LXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h 21.	☉ Lower L. ☽ Lower L. Very uncertain.	54	11	5	0	51	17	16	51	17	14	30, 09	44	44
δ 24.	☉ Lower L. Naked eye.	53	7	2	9::	50	6	26	50	6	26	30, 3	49	50
♀ 25.	☉ Upper L. ☉ Lower L.	52	7	5	5	49	10	47	49	42	52	30, 1	54	51
♄ 26.	☉ Lower L. ☉ Upper L.	52	9	12	7	49	19	24	48	47	15	29, 9	56	54
♀ 27.	☉ Upper L.	51	9	15	5	48	23	44	48	23	44	30 +	51	50
☉ 29.	☉ Lower L. ☉ Upper L. Venus's Center.	51	5	13	4	48	9	15				30, 22	49	48
		50	12	11	0	47	37	4	47	37	04			
		31	2	10	6	29	13	5	29	13	3	30, 22	49	52
♃ 30.	☉ Upper L. ☉ Lower L. Venus's Center.	50	6	1	3	47	13	5				30, 23	50	48
		50	15	3	6	47	46	0	47	46	0			
		30	13	8	0	28	54	58	28	54	55			
♂ 31.	☉ Lower L. ☉ Upper L.	50	8	10	0	47	22	49				30, 3	50	48
		49	15	7	10	46	50	41	46	50	39			
♀ APR. 1.	Venus's Center.	30	3	9	12	28	20	13	28	20	10	30, 36	49	50
♀ 3.	☉ Upper L. ☉ Lower L.	48	11	13	3	45	41	35				30, 24	53	49
		49	4	15	4	46	13	40	46	13	38			
h 4.	☉ Lower L. ☉ Upper L.	48	14	7	3	45	50	48				30, 14	53	50
		48	5	5	6	45	18	46	45	18	43			
☉ 5.	☉ Upper L. ☉ Lower L. Venus's Center. *2	47	14	13	13	44	56	2				29, 88	53	50
		48	7	15	9	45	28	3	45	28	2			
		29	1	8	10	27	16	41,4	27	16	8*	29, 82	52	55
♃ 6.	☉ Lower L. ☉ Upper L.	48	1	9	0	45	5	30						
		47	8	6	11	44	33	22	44	33	19			
♀ 10.	☽ Upper L. Very uncertain.	27	2	3	3::	25	26	29	25	26	27	29, 5	47	50
♂ 14.	☉ Upper L. ☉ Lower L.	44	6	3	0	41	36	45				30, 0	49	47
		44	15	4	9	42	8	45	42	8	42			
♄ 16.	☉ Lower L. ☉ Upper L. Venus's Center.	44	3	3	0	41	26	12				30, 0	53	50
		43	10	1	0	40	54	8	40	54	9			
		26	12	0	12	25	4	53	25	4	50	29, 98	52	55
♀ 17.	☉ Upper L. ☉ Lower L. Venus's Center.	43	4	1	4	40	33	6				29, 8	60	53
		43	13	2	11	41	5	5	41	5	5			
		26	9	9	3	24	56	10	24	56	9	29, 7	55	61
	♄ } Virginis. 38 }	62	0	1	11	58	7	54	58	7	51			
		57	4	10	0	53	42	31	53	42	30			
h 18.	☉ Lower L. ☉ Upper L. Venus's Center. 1 Virginis. ☽ Upper L.	43	7	4	0	40	44	14						
		42	14	2	6	40	12	15	40	12	13			
		26	7	3	12	24	47	57	24	47	53	29, 7	55	61
		59	5	6	2	55	37	40,8						
		62	14	14	5	58	59	52	58	59	53	29, 63	52	51
☉ 19.	☉ Upper L. ☉ Lower L. Venus's Center.	42	8	4	6	40	1	36				29, 5	66	58
		43	1	5	10	40	23	32	40	23	28			
		26	5	0	9	24	40	13	24	40	10	29, 4	53	66
♃ 20.	☉ Lower L. Spica. ξ } Librae. ν } i } ☽ Lower L.	42	11	8	0	40	2	56	40	2	54	29, 43	61	56
		65	7	2	10	61	21	27,9	61	21	24			
		66	0	1	9	61	52	52,2	61	52	49			
		71	3	5	2	66	45	25,7	66	45	25			
		74	15	14	4	70	18	22,6	70	18	22			
		74	6	14	8	69	46	48	69	46	48	29, 43	53	48
♂ 21.	☉ Lower L. ☉ Upper L.	42	5	11	4	39	42	24				29, 55	59	55
		41	12	9	13	39	10	36	39	10	36			
♄ 23.	☉ Upper L. ☉ Lower L. Venus's Center.	41	1	3	5	38	30	35						
		41	10	4	10	39	2	27	39	2	24			
		25	13	11	11	24	14	33	24	14	30			
♀ 24.	☉ Lower L. ☉ Upper L.	41	4	10	11	38	32	41						
		40	11	9	8	38	10	47	38	10	45			
h 25.	☉ Upper L. ☉ Lower L.	40	6	0	9	37	51	15				30, 37	50	47
		40	15	1	10	38	23	7	38	23	5			
☉ 26.	Venus's Center.	25	9	12	9	24	0	40	24	0	36	30, 2	49	53
♃ 27.	☽ Upper L.	77	4	11	7	72	27	50	72	27	47	29, 85	45	40
♂ 28.	☉ Lower L. Very uncertain.	39	14	13	3	37	25	52,5						
♀ MAY 1.	Venus's Center. Procyon.	25	6	2	4	23	47	51	23	47	47	29, 7	52	55
		48	10	15	9	45	38	36,1						
☉ 3.	Venus's Center.	25	5	11	6	23	46	20	23	46	18	29, 9	58	64

In JUNE MDCC LXI.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
4.	☉	Upper L. Lower L.	37 38	7 0	0 1	3 0	35 35	5 37	55 42	35 35	37 37	39	29, 84	64	58
7.	☉	Lower L. Upper L. Venus's Center.	37 36 25	1 8 6	11 10 9	1 0 0	34 34 23	47 15 49	12 19 19	34 34 23	15 15 49	17 20	30, 2 30, 2	67 60 67	
8.	☉	Upper L. Naked eye.	36	4	0	0::	33	59	3::	33	59	0	30, 1	66	59
9.	☉	Upper L. Lower L. Venus's Center.	35 36 25	15 8 7	7 8 13	0 0 4	33 34 23	43 14 53	1 53 46	34 34 23	14 14 53	43	29, 92 29, 9	61 61	58 65
13.	☉	Upper L.	48	2	11	8	45	9	34	45	9	30	29, 85	59	60
14.	☉	Upper L. Lower L. Upper L.	34 35 54	9 2 8	15 15 7	0 6 3	32 32 51	27 59 7	26 10 13	32 32 51	59 7 11	8	30, 15 30, 2	62 57	58 53
15.	☉	Lower L. Upper L. Upper L.	34 34 60	14 5 12	14 14 12	11 5 11	32 32 57	44 13 00	59 14 00	32 32 57	13 13 00	00	30, 27 30, 25	57 56	57 52
20.	☉	Lower L. first Wire. Sagittarii.	83 77 86 82	2 5 11 1	13 12 4 2	2 10 1 5	77 72 81 76	58 31 17 56	40 37,9 0,4 32,3	77 77	58 58	38	29, 12	52	48
21.	☉	Lower L.	33	8	11	3	31	26	40	31	26	41			
22.	☉	Upper L. Lower L. Venus's Center.	32 33 26	12 5 15	4 5 10	13 4 8	30 31 25	43 14 17	14 59 34	31 31 25	14 14 17	57 32	29, 4	60	55
24.	☉	Lower L. Upper L.	32 32	14 5	14 13	7 13	30 30	52 20	25 39	30 30	20 20	38	29, 57	64	57
30.	☉	Upper L. Lower L.	31 31	5 14	0 0	0 5	29 29	21 53	20 3	29 29	53 53	0	29, 54	58	54
JUNE 6.	☉	Lower L. Upper L.	30 30	15 6	2 2	11 8	29 28	0 29	51 10	28 28	29 29	7½	29, 8	66	58
8.	☉	Upper L. Lower L.	30 30	2 11	15 15	2 12	28 28	17 49	51 30	28 28	17 49	49 30½	29, 67	58	56
9.	☉	Lower L. Upper L.	30 46	10 3	9 7	1 8	28 43	44 19	39 43	43 43	19 19	42	29, 83 29, 82	60 58	56 62
12.	☉	Upper L.	29	13	14	6	28	0	8-	28	0	6	29, 5	67	59
13.	☉	Libræ. Upper L. Libræ.	70 70 69	14 7 12	8 13 8	11 10 0	66 66 65	28 5 25	40 8 12	66 66 65	5 5 25	7+ 11	29, 59	58	57
14.	☉	Upper L. Lower L. Upper L. Scorpii. Scorpii.	29 30 75 75 74	12 5 4 4 15	1 1 13 5 0	5 8 4 0 2	27 28 70 70 70	53 25 35 33 15	44 26 44 55 16	28 28 70 70	25 25 35 33	24½ 44 56	29, 68 29, 7	62 59	58 57
21.	☉	Capricorni. Upper L.	69 76	0 2	6 9	4 5	64 71	42 24	38 5½	64 71	42 24	35 5	30, 0	58	56
22.	☉	Lower L. Upper L. Upper L.	30 29 71	2 9 8	7 6 5	0 9 10	29 27 67	16 44 3	4 21 8	27 27 67	44 44 3	19 21 7	30, 03 30, 05	69 62	63 61
23.	☉	Upper L. Lower L. Aquarii.	29 30 65	9 2 14	10 10 12	5 0 0	27 28 61	45 16 48	10 43 6	28 28 61	16 16 48	40 4+	30, 06 30, 02	72 61	66 59
24.	☉	Lower L. Upper L. Upper L. Jupiter's Center.	30 29 60 55	2 9 1 0	15 15 7 12	2 0 0 7	28 27 56 51	17 46 20 36	51 11 3 30	27 27 56 51	46 46 20 36	9 0 28	29, 97 29, 76	76 66	69 68
25.	☉	Upper L. Lower L.	29 30	10 3	6 6	0 0	27 28	47 19	43 22	28 28	19 19	19+			
30.	☉	Upper L. Lower L.	29 30	14 7	5 4	0 5	28 28	1 33	34 4	28 28	33 33	2	29, 95	70	65
JULY 3.	☉	Lower L.	30	11	0	3	28	46	13	28	46	11	29, 76	64	64
4.	☉	Pegasi.	40	0	11	2	37	32	27	37	32	26	30, 1	59	51
5.	☉	Upper L. Lower L.	30 30	5 14	1 1	3 0	28 28	25 56	21 56	28 28	56 56	54	30, 05	64	61
8.	☉	Lower L. Upper L. Very Cloudy. Jupiter's Center. Venus's Center.	31 56 54 36	3 14 11 6	8 15 5 14	0 2 9 0	29 53 51 34	16 22 17 9	3 33 25 10	29 53 51 34	16 22 17 9	01 33 23 9	29, 94 30, 0 29, 94 29, 93	64 62 57 60	60 68 55 64

In JULY MDCC LXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divis. reduced.			By the interior Divisions.			Inches.	Deg.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
24	9.	☉ Lower L.	31	5	8	3	29	23	8			29, 94	68	63	
		☉ Upper L.	30	12	8	3	28	51	30		28 51 28				
		♃ Upper L.	63	2	13	5	59	13	43		59 13 39	29, 93	66	70	
		Jupiter's Center.	54	11	1	9	51	16	32		51 16 32	29, 95	60	56	
		Venus's Center.	36	6	5	32	34	6	47		34 6 44	30, 0	62	66	
2	10.	☉ Upper L.	30	14	11	3	28	59	11			30, 0	73	65	
		☉ Lower L.	31	7	11	1	29	30	47		29 30 48				
		♃ Upper L.	68	14	12	11	64	37	2		64 37 1	30, 0	67	72	
		♎ Ophiuchi.	71	4	14	5	66	50	58		66 50 59	30, 0	66	67	
		♏ Serpentis.	68	4	12	8	64	1	50		64 1 47				
		Venus's Center.	36	5	6	5	34	4	4		34 4 1	29, 92	60	73	
6	11.	☉ Lower L.	31	9	14	9	29	38	37			29, 89	78	68	
		☉ Upper L.	31	0	14	10	29	6	59		29 6 56				
13	13.	☉ Upper L.	31	5	12	2	29	24	0			29, 85	72	65	
		☉ Lower L.	31	14	12	5	29	55	41		29 55 39				
		♃ Upper L.	81	4	4	12	76	11	24, 5		76 11 21 +	29, 85	63½	64	
8	15.	☉ Lower L.	32	4	0	0	30	14	4			29, 82	65	62	
		☉ Upper L.	31	12	0	2	29	42	27		29 42 25				
		μ } first Wire.	77	5	12	2	72	31	30			29, 98	60	56	
		δ } Sagittarii.	86	11	3	3	81	16	53						
		λ } "	82	01	1	0	76	56	14						
		♃ Lower L.	84	3	12	2	78	58	13		78 58 13				
24	16.	p } Sagittarii.	84	6	3	4	79	6	49, 2			30, 0	64	64	
		β } "	80	3	3	10	75	11	22, 4						
		δ } "	86	11	4	2	81	17	0, 5						
		λ } "	82	1	2	0	76	56	27, 3						
		♃ Lower L.	83	6	6	0	78	11	10		78 11 11				
2	17.	Jupiter's Center.	54	10	1	4	51	12	57		51 12 58	29, 7	61	56	
		Venus's Center.	35	12	15	9	33	34	23		33 34 22	29, 7	61	63	
19	19.	Jupiter's Center.	54	10	0	7	51	12	46		51 12 45	29, 84	56	51	
		Venus's Center.	35	9	15	0	33	23	41		33 23 40	29, 9	58	61	
20	20.	☉ Lower L.	33	2	15	0	31	6	34, 6			29, 9	64	60	
		☉ Upper L.	32	9	14	12	30	34	55		30 34 55				
		♈ Aquarii.	64	4	0	0	60	14	4			29, 95	59	53	
		♃ Upper L.	67	11	10	4	63	29	41		63 29 40	29, 95	59	53	
		Venus's Center.	35	8	5	7	33	18	5		33 18 4	29, 95	61	65	
21	21.	☉ Upper L.	32	13	3	10	30	46	31			29, 95	70	64	
		☉ Lower L.	33	6	3	12	31	18	12		31 18 10				
22	22.	☉ Lower L.	33	9	9	9	31	30	1			29, 8	70	60	
		☉ Upper L.	33	0	9	12	30	58	25		30 58 23				
		β } Aquarii.	61	14	14	6	58	3	39			29, 9	62	59	
		26 } "	54	10	10	4	51	14	55						
		♃ Upper L.	55	11	1	2	52	12	40—		52 12 37	29, 95	60	59	
24	24.	Venus's Center.	35	1	12	11	32	55	5		32 55 3	29, 85	62	69	
25	25.	☉ Upper L.	33	11	5	0	31	36	1, 2						
		☉ Lower L.	34	4	5	4	32	7	43, 7		32 7 46				
26	26.	☉ Lower L.	34	8	1	8	32	20	59			30, 05	65	65	
		☉ Upper L.	33	15	1	4	31	49	16		31 49 14				
		Venus's Center.	34	14	7	4	32	43	22		32 43 20	30, 07	62	65	
		α Orionis.	47	0	15	13	44	7	15, 8						
27	27.	☉ Upper L.	34	2	14	12	32	2	48			30, 05	70	66	
		☉ Lower L.	34	11	15	2	32	34	30		32 34 30				
		Jupiter's Center.	54	10	11	10	51	15	14		51 15 11	30, 0	62	58	
		Saturn's Center.	52	8	3	8	49	13	55		49 13 55				
		♃ Center. Estimated.	28	13	3	10	27	1	32		27 1 28	30, 0	65	68	
		α Orionis.	47	0	15	11	44	7	13, 8						
28	28.	☉ Lower L.	34	15	14	2	32	48	20			30, 0	72	68	
		☉ Upper L.	34	6	14	3	32	16	43		32 16 42				
29	29.	☉ Upper L.	34	10	15	0	32	30	57		32 30 56	29, 68	73	69	
30	30.	☉ Upper L.	34	5	00	11	32	45	25						
		☉ Lower L.	35	8	1	2	33	17	8		33 17 7				
Aug. 3.	Aug. 3.	☉ Lower L.	36	9	6	4	34	18	1		34 18 0				
		Venus's Center.	34	2	3	4	32	0	15		32 0 14	29, 9	67	73	
4	4.	☉ Upper L.	36	4	14	6	34	2	14						
		☉ Lower L.	36	13	15	0	34	34	0		34 33 58				
5	5.	☉ Lower L.	37	2	8	10	34	50	12			29, 7	80	72	
		☉ Upper L.	36	9	8	10	34	18	34		34 18 34				
6	6.	☉ Lower L.	37	7	3	10	35	6	41			29, 73	71	67	

In AUGUST MDCCCLXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
4	6. ☉ Upper L. Venus's Center.	36	14	3	6	34	34	58	34	34	57	29, 74	62	52
		33	14	7	5	31	37	5	31	37	3			
♀	7. ☉ Upper L. ☉ Lower L. ☽ Upper L. ξ } Serpentis. ο } Jupiter's Center. Q. What Star? Saturn's Center.	37	3	0	0	34	51	48				29, 72	65	67
		37	14	0	6	35	23	32	35	23	30			
		72	7	15	13	67	58	7	67	58	5	29, 72	63	60
		71	1	12	12	66	40	6						
		68	7	4	2	64	10	31, 3				29, 72	61	53
		54	13	15	3	51	26	29	51	26	30			
		52	10	9	12	49	22	20						
		52	10	4	0	49	21	2						
h	8. ☽ Upper L.	77	0	11	6	72	13	46	72	13	46	29, 73	65	67
☽	10. Jupiter's Center. Ceti. 1 ^{ma} ad. Saturn's Center.	54	15	4	6	51	31	13	51	31	11	30, 0	60	55
		67	9	4	9	63	21	25, 2						
		52	11	0	10	49	23	50	49	23	50			
♂	11. ☉ Lower L. ☉ Upper L. Antares. ☽ Lower L.	38	15	13	3	36	23	8				30, 1	66	65
		38	6	13	0	36	1	23	36	1	23			
		82	7	3	1	77	17	47				30, 0	66	64
		84	5	4	0	79	3	27	79	3	27			
♀	12. ☉ Upper L. ☽ Lower L. ω Sagittarii. Saturn's Center.	38	11	15	2	36	19	30	36	19	28	30, 05	70	69
		83	14	10	6	78	40	16	78	40	16			
		84	7	5	4	79	10	47				29, 85	64	58
		52	11	9	8	49	25	47	49	25	45			
4	13. ☉ Upper L. ☉ Lower L.	39	1	2	5	36	37	47				29, 7	69	67
		39	10	2	9	37	9	30	37	9	28			
☽	17. ♋ Aquarii. ☽ Upper L. Jupiter's Center. Saturn's Center. Venus's Center.	62	11	3	3	58	46	53				30, 03	64	61
		63	9	10	9	59	37	44	59	37	42			
		55	3	0	6	51	44	24	51	44	22	30, 1	63	65
		52	13	3	0	49	31	22-	49	31	20+			
		33	7	4	4	31	21	48	31	21	46			
♂	18. ☉ Lower L. ☉ Upper L.	41	5	1	13	38	44	16				30, 12	69	65
		40	12	1	3	38	12	27	38	12	25			
4	20. ☉ Upper L. ☉ Lower L. Venus's Center.	41	7	4	6	38	51	50				30, 25	68	66
		42	0	5	4	39	23	40	39	23	38			
		33	7	8	10	31	22	47	31	22	45	30, 16	63	64
♀	21. ☉ Lower L. ☽ Upper L. Aldebaran. Venus's Center.	42	6	0	3	39	43	39	39	43	38	30, 14	69	65
		38	11	8	11	36	18	7	36	18	5			
		37	13	1	0	35	27	10, 4				30, 03	63	60
		33	7	14	5	31	24	1	31	24	0			
												30, 02	65	66
h	22. ☉ Lower L. ☉ Upper L.	42	11	11	12	40	3	47				30, 0	70	68
		42	2	11	5	39	32	2	39	32	0			
☽	24. Venus's Center.	33	9	10	12	31	30	17	31	30	16	29, 84	61	63
♂	25. ☉ Upper L. ☉ Lower L.	43	4	3	5	40	33	33				29, 8	69	64
		43	13	4	3	41	5	23	41	5				
♀	26. ☉ Lower L. ☉ Upper L.	44	3	3	3	41	26	15				29, 76	68	64
		43	10	2	4	40	54	25	40	54	24			
4	27. ☉ Lower L. ☉ Upper L. Jupiter's Center. Saturn's Center. α Orionis.	44	9	3	0	41	47	18				30, 0	68	65
		44	0	2	3	41	15	29	41	15	30			
		55	9	13	8	52	8	23	52	8	20	30, 04	62	56
		53	0	15	8	49	44	41	49	44	38			
		47	0	15	1	44	7	3	44	7	2	30, 04	60	56
♀	28. ☉ Upper L. ☉ Lower L.	44	6	3	0	41	36	45				30, 0	67	64
		44	15	4	4	42	8	41	42	8	40			
h	29. ☉ Lower L. Saturn's Center.	45	5	6	4	42	30	0	42	30	0	29, 8	63	58
		53	1	13	12	49	47	49	49	47	47			
☉	30. Saturn's Center. η Ceti. Venus's Center.	53	2	4	12	49	49	22	49	49	22	29, 64	63	59
		67	1	6	13	62	53	48						
		34	0	14	8	31	55	43	31	55	42	29, 7	62	62
☽	31. ☉ Upper L. ☉ Lower L. Jupiter's Center. Saturn's Center. Venus's Center.	45	8	9	1	42	41	22				29, 73	65	64
		46	1	9	9	43	13	9	43	13	8			
		55	13	0	5	52	19	32	52	19	31	29, 83	60	55
		53	2	11	12	49	50	54	49	50	52			
		34	2	9	11	32	1	41	32	1	38	29, 91	60	59
♂ SEPT. 1.	☉ Lower L. ☉ Upper L.	46	7	13	3	43	35	1				29, 91	63	62
		45	14	12	3	43	3	9	43	3	7			
h	5. ☽ Upper L. Very faint. Jupiter's Center. 10 Ceti. 60 Piscium.	79	9	8	9	74	37	18	74	37	17+	29, 54	64	65
		56	1	3	3	52	34	13	52	34	11			
		56	5	9	14	52	49	47	52	49	45	29, 66	57	50
		49	1	8	2	46	1	33, 4						

In SEPTEMBER MDCC LXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
h 5.	Saturn's Center. Venus's Center.	53	5	1	5	49	59	8	49	59	8	29, 66 29, 73	57 58	50 56	
d 7.	Saturn's Center. 33 Ceti.	53	6	1	0	50	2	34	50	2	32	29, 67	63	63	
		53	10	4	0	50	17	17, 1							
δ 8.	☉ Upper L. ☉ Lower L. ☿ Lower L.	48 49 84	11 4 5	2 4 1	7 0 2	45 46 79	39 11 4	14 11 50		46 46 79	11 11 4	10 50	29, 69 29, 73	73 67	67 69
u 10.	☉ Lower L. ☉ Upper L. ☿ Lower L.	50 49 80	1 8 7	2 1 14	10 1 5	46 46 75	56 24 27	37 37 46		46 46 75	24 27 27	36 43	29, 87 29, 93	65 63	64 60
h 12.	☉ Upper L. ☉ Lower L.	50 50	5 14	1 3	6 0	47 47	10 42	24 22		47 47	10 42	22	30, 05	56	58
d 14.	☉ Lower L. ☉ Upper L.	51 51	11 2	4 3	7 3	48 47	28 56	25 29		47 47	55 55	29	29, 57	62	60
δ 15.	☿ Upper L.	52	15	11	10	49	40	19		49	40	18	29, 68	54	49
g 16.	☉ Upper L.	52	6	0	8	49	6	5		49	6	11			
g 18.	☉ Upper L. ☉ Lower L.	52 53	12 5	9 11	9 5	49 50	29 1	19 20		50	1	18			
h 19.	☿ Upper L. k Tauri.	30 28	4 9	6 8	8 10	28 26	23 48	1 33, 9		28 26	22 48	58 33, 9	29, 66	51	43
☉ 20.	☉ Lower L. ☉ Upper L.	54 53	2 9	15 14	2 0	50 50	47 15	51 58		50	15	56			
u 24.	Jupiter's Center. 10 } Ceti. 15 } Ceti. Saturn's Center. Venus's Center. ☿ Center. Estimated.	57 56 56 53 39 35	2 5 13 14 5 9	5 9 3 13 12 14	3 9 1 10 2 7	53 52 53 50 36 33	34 27 42, 3 16 22, 7 33 23	27 27 29 29 0 35		53 50 36 33	34 33 54 23	27 27 0 33	29, 95 29, 95 29, 92 29, 92	58+ 58+ 59 59	57 57 60 60
g 25.	☉ Upper L. ☉ Lower L. 15 Ceti. Saturn's Center.	55 56 56 53	11 4 13 15	2 5 3 6	13 0 5 8	52 52 53 50	13 45 16 35	5 10 26, 7 26		52 52 50	13 45 35	8 8 23	29, 92 29, 88 29, 88	66 60 60	61 60 60
h 26.	☉ Lower L. ☉ Upper L.	56 56	10 1	15 13	4 8	53 52	8 36	31 30		52 52	36 36	30 30			
☉ 27.	Jupiter's Center. 44 Piscium. 15 Ceti. Saturn's Center.	57 54 56 54	5 3 13 0	0 7 3 7	5:: 8 4 5	53 50 53 50	43 49 16 39	55 43, 1 25, 7 7		53 50 50	43 43 39	53 6 6	30, 09	61	59
d 28.	☉ Upper L. ☉ Lower L.	56 57	15 8	3 4	9 12	53 53	23 55	33 27		53 53	23 55	25	30, 08	63	62
δ 29.	☉ Lower L. Very faint.	57	14	15	3	54	18	48		54	18	47	30, 07	60	60
g Oct. 2.	Jupiter's Center. 11 } Ceti. 15 } Ceti. Saturn's Center. Venus's Center.	57 57 56 54 42	9 7 13 3 2	5 12 3 1 6	10 4 4 11 0	53 53 53 50 39	59 53 16 48 30	9 38, 8 25, 7 27 51		53 50 39	59 48 30 49	8 28 49	30, 02 30, 02 30, 02	53 53 53	50 50 52
d 5.	☉ Lower L. } Hazy. ☉ Upper L. } Hazy. ☿ Upper L. Very faint. ☿ Capricorni. Jupiter's Center. 15 Ceti. Saturn's Center. Venus's Center.	60 59 84 82 57 56 54 43	6 13 4 10 11 13 4 4	10 8 8 15 13 3 11 14	9 11 7 9 5 3 1 5	56 56 79 77 54 53 50 40	38 6 00 31 07 16 54 35	27 24 56 6, 1 52 24, 7 00 58		56 56 79 77 54 53 50 40	38 6 00 31 07 16 54 35	27 24 56 6, 1 52 24, 7 00 58	29, 9 29, 86 29, 86 29, 9	50 51 49	52 47 42 46
δ 6.	☉ Upper L. ☉ Lower L. ☿ Lower L. c Aquarii. 1 st ad. Jupiter's Center.	60 60 84 81 57	4 13 0 8 12	1 4 8 8 10	9 3 0 8 5	56 57 78 76 54	29 1 46 26 10	26 38 46 16 53		56 57 78 76 54	29 1 46 26 10	26 38 46 16 53	29, 9 29, 9 29, 9 29, 9	50 51 49	50 49 46
g 7.	☉ Lower L. } Hazy. ☉ Upper L. } Hazy.	61 60	3 10	12 10	9 3	57 56	24 52	35 24		57 56	24 52	35 23	29, 9	49	50
h 10.	☉ Upper L. ☉ Lower L.	61 62	14 7	2 4	6 9	58 58	00 33	54 8		58 58	00 33	54 8			
d 12.	Saturn's Center. ☿ Lower L.	54 56	8 3	4 7	0 5	51 52	6 42	30 10		52 52	6 42	8	29, 22 29, 22	54 54	53 53
u 15.	Jupiter's Center. 15 Ceti.	58 56	3 13	5 3	0 9	54 53	34 16	9 30, 7		54 53	34 16	7 30, 7	28, 80	55	53

In NOVEMBER MDCCCLXI.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		Deg.	Deg.
4	15.	Saturn's Center. D Upper L. ε Tauri. Aldebaran.	54 36 35 37	9 6 0 13	11 8 6 2	8 13 7 3	51 34 32 35	11 8 50 27	41 4 11 27	51 34 8 2	11 2 2	40	28, 84	54	52
♀	16	☉ Upper L. ☉ Lower L. Jupiter's Center.	64 64 58	4 13 3	7 9 15	0 7 7	60 60 54	15 47 36	36 56 27	60 54 36	25 25	52	28, 82 28, 88	52 55	56 51
h	17.	☉ Lower L. Naked eye. ☉ Upper L. Glafs.	65 64	3 10	13 11	3 2	61 60	9 37	42 36	60 37	35		28, 98	52½	55
☉	18.	Saturn's Center. 26 Ceti. D Upper L.	54 54 26	11 12 4	1 12 8	8 6 5	51 51 24	16 22 38	31 25,5 24	51 24 38	16 24 24	30	29, 23 29, 28	51 49	46 44
D	19.	D Lower L.	27	5	1	5	25	36	38—	25	36	35+	29, 65	47	40
♊	20.	α } Geminorum. 28 } φ } D Lower L.	28 29 25 29	4 9 11 12	10 12 7 9	1 6 8 8	26 27 24 27	31 45 6 55	16,6 37,6 35,6 33				30, 02 30, 02 30, 04	47 47 46	38 38 38
♀	21.	☉ Upper L. ☉ Lower L. D Center. Estimated.	66 66 33	3 12 11	4 7 7	1 0 0	62 62 31	3 36 36	56 13 28	62 31	36 36	12 27	30, 12 30, 2	46 46	48 40
4	22.	☉ Lower L. { Hazy. ☉ Upper L. {	67 66	2 9	7 4	0 14	62 62	57 25	19 15	62 25	15 15		30, 27	46	45
D	26.	Saturn's Center.	54	14	8	11	51	28	40	51	28	40	29, 42	45	43
♊	27.	☉ Upper L. ☉ Lower L.	68 68	6 15	12 15	7 10	64 64	8 41	51 12		41	11	29, 7	46	46
☉ Nov. 1.		☉ Lower L. ☉ Upper L.	70 70	12 3	0 12	0 11	66 65	19 47	41 21		65	47 22	30, 0	44	48
D	2.	Jupiter's Center. Saturn's Center.	58 55	12 1	3 2	3 6	55 51	5 37	24 48	55 51	5 37	24+ 46	30, 5	51	51
♀	4.	Jupiter's Center. 12 Ceti. Saturn's Center.	58 60 55	12 8 1	12 3 12	2 0 10	55 56 51	7 43 40	21 47,1 4	55 51	7 40	19 2	29, 64	44	43
4	5.	☉ Lower L. 12 Ceti. Saturn's Center.	72 60 55	1 8 2	3 3 1	6 0 10	67 56 51	34 43 41	16 47,1 10	67 51	34 41	16 7	29, 0 29, 59	45 45	46 40
♀	6.	☉ Upper L. ☉ Lower L. 50 Aquarii. D Lower L. δ Aquarii.	71 72 70 71 73	13 6 9 5 1	1 5 5 1 6	6 2 0 0 7	67 67 66 56 68	19 52 10 51 31	46 13 14 33 12		67 56	52 51 30	29, 69 29, 59 29, 59	39 43 43	44 37 37
D	9.	☉ Lower L. { Hazy. ☉ Upper L. {	73 72	5 12	3 0	6 3	68 68	44 12	35 14		68	12 12	29, 6	45	45
♊	10.	☉ Upper L. Naked eye. ☉ Lower L. Venus's Center.	73 73 60	0 10 1	13 0 13	0:: 7 7	68 69 56	29 1 21	6 30 29		69 56	1 21 30	29, 4 29, 05	49 45	47 42
♀	11.	☉ Upper L. ☉ Lower L. Jupiter's Center. Saturn's Center. D Upper L. D Lower L. Venus's Center.	73 73 58 55 39 39 60	5 14 14 3 0 9 9	8 12 0 12 6 10 6	3 0 0 8 7 7 10	68 69 55 51 36 37 56	45 18 11 47 35 7 48	38 6 39 4 11 42 7	69 55 51 37 56	18 11 47 7 48	5 39 3 40 6	29, 08 29, 14 29, 19 29, 39	45 45 44	45 43 42 42
4	12.	☉ Lower L. ☉ Upper L.	74 73	3 9	1 13	0 4	69 69	33 00	16 49		69	0 50	29, 41	45	45
♀	13.	☉ Upper L. Naked eye. Jupiter's Center. 29 Piscium.	73 58 59	14 14 8	6 2 7	3 6 8	69 55 55	16 12 48	59 15 32,8		55	12 15	29, 2 29, 08	47 47	46 46
h	14.	☉ Upper L. β Tauri. D Upper L.	74 24 26	3 10 9	2 1 10	6 0 0	69 23 24	33 5 56	35 22,6 20	69 24	33 56	37 19	28, 7	46	39
☉	15.	D Lower L. Pollux. φ Geminorum.	26 24 25	14 6 11	4 10 7	1 7 8	25 22 24	12 53 6	37 24,5 35,6	25	12 37		28, 7	45	39
♊	17.	☉ Lower L. ☉ Upper L. Jupiter's Center. D Lower L. ε Leonis.	75 74 58 32 28	9 15 14 8 6	1 14 2 4 2	12 7 2 1 6	70 70 55 30 26	50 18 12 29 36	49 26 11 1 38	70 55 30	18 12 29	25 10 0	29, 38 29, 52 29, 63	39 42 40	43 35 30

In DECEMBER MDCC LXI.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
17.	♌ Leonis.	35	12	9	9	33	33	3,9						
18.	20 { <i>Pifcium.</i>	59	3	14	2	55	32	24,4				29, 93	40	31
	21 { <i>Jupiter's Center.</i>	55	2	4	8	51	41	47,6						
	<i>Saturn's Center.</i>	58	14	1	0	55	11	56	55	11	54			
	♌ Leonis.	55	5	3	3	51	52	2	51	51	59			
	♑ Lower L.	35	12	10	0	33	33	8,1				30, 06	36	26
	<i>Mars.</i>	37	10	14	0	35	19	29	35	19	28			
		49	13	7	4	46	43	33½	46	43	32	30, 1	36	25
19.	☉ Upper L.	75	7	14	6	70	46	32,1						
21.	♑ Lower L. Very faint.	57	1	0	8	53	29	54	53	29	53½	29, 53	48	49
27.	<i>Jupiter's Center.</i>	58	12	8	0	55	6	27	55	6	25	29, 8	40	36
	<i>Saturn's Center.</i>	55	6	3	4	51	55	29	51	55	30			
28.	☉ Upper L.	77	6	13	8	72	35	20				30, 03	39	40
	☉ Lower L.	78	0	1	8	73	7	51	73	7	55			
30.	☉ Lower L.	78	5	12	1	73	27	44				29, 7	36	38
	☉ Upper L.	77	12	8	4	72	55	15	72	55	12½			
	20 <i>Pifcium.</i>	59	3	15	0	55	32	35,6				29, 8	38	34
	<i>Jupiter's Center.</i>	58	11	8	12	55	3	8	55	3	8			
	<i>Saturn's Center.</i>	55	6	4	12	51	55	55	51	55	53+			
Dec. 1.	☉ Upper L.	77	15	2	9	73	4	34,4	73	4	36			
3.	☉ Upper L.	78	4	1	0	73	21	47				30, 06	36	38
	☉ Lower L.	78	13	5	0	73	54	18	73	54	19			
	♑ Lower L.	73	6	9	4	68	49	23,3	68	49	23	30, 12	38	35
	♈ <i>Aquarii.</i>	73	1	6	6	68	31	11						
	<i>Jupiter's Center.</i>	58	10	6	6	54	59	4½	54	59	3	30, 14	38	35
	<i>Saturn's Center.</i>	55	6	5	0	51	55	56½	51	55	55			
	♍ <i>Virginis.</i>	49	9	3	9	46	28	42				30, 2	36	27
	<i>Mars's Center.</i>	53	3	2	0	49	52	14	49	52	11			
4.	☉ Lower L.	78	15	9	5	74	2	18				30, 23	30	36
	☉ Upper L.	78	6	5	12	73	29	54	73	29	55			
	♑ Lower L.	68	2	0	1	63	52	3	63	52	2	30, 22	37	31
5.	☉ Upper L. { An unusual tre-	78	8	8	0	73	37	23						
	☉ Lower L. } mor in the air.	79	1	12	0	74	9	54	74	9	55			
	<i>Jupiter's Center.</i>	58	9	8	5::	54	55	57	54	55	55	30, 03	36	30
	♑ Lower L.	62	3	9	8	58	20	9½	58	20	9			
	<i>Saturn's Center.</i>	65	6	3	10	51	55	40	51	55	37			
7.	<i>Jupiter's Center.</i>	58	8	9	3	54	52	39	54	52	37	29, 6	40	43
8.	☉ Upper L.	78	14	4	2	73	57	38						
	☉ Lower L.	79	7	8	5	74	30	12	74	30	10			
	♑ Lower L. Very uncertain.	42	13	5	0::	40	9	18	40	9	17	29, 5	41	40
10.	♑ Lower L. Very hazy.	31	11	6	0::	29	43	44	29	43	44	29, 52	43	41
11.	☉ Upper L.	79	2	13	8	75	13	46						
	☉ Lower L.	79	12	1	9	74	46	18	74	46	17			
	<i>Jupiter's Center.</i>	58	6	6	5	54	44	59	54	44	57	29, 5	43	40
20.	♑ Lower L.	67	15	2	5	63	42	0	63	42	0	20, 83	37	30
21.	☉ Lower L. Very hazy.	80	2	12	7	75	9	47						
	☉ Upper L.	79	9	8	5	74	36	14	74	36	15			
	<i>Saturn's Center.</i>	55	3	15	6	51	47	42	51	47	41	29, 77	37	30
22.	<i>Saturn's Center.</i>	55	3	11	8	51	46	41	51	46	39	29, 43	40	38
23.	<i>Mars's Center.</i>	57	5	11	3	53	46	18	53	46	18	28, 71	42	43
26.	☉ Lower L.	80	1	2	8	75	4	5				29, 52	42	42
	☉ Upper L.	79	7	14	1	74	31	27	74	31	27			
27.	☉ Upper L.	79	7	2	12	74	29	0						
	☉ Lower L.	80	0	7	0	75	1	32	75	1	30			
	<i>Jupiter's Center.</i>	57	10	7	2	54	2	59	54	3	0	29, 72	42	37
28.	☉ Lower L.	79	15	8	9	74	58	13				29, 79	30	36
	☉ Upper L.	79	6	4	6	74	25	49	74	25	50			
30.	☉ Upper L.	79	4	3	3	74	18	31				29, 77	42	42
	☉ Lower L.	79	13	7	3	74	51	2	74	51	0			
	♑ Center. Estimated.	74	11	8	6	70	3	2	70	3	0	29, 82	42	41
	<i>Jupiter's Center.</i>	57	7	11	0	53	53	16	53	53	15			
31.	☉ Lower L.	79	12	2	11	74	46	34				30, 05	36	38
	☉ Upper L.	79	2	14	2	74	13	53	74	13	54			
	♑ Lower L.	69	15	11	5	65	36	29	65	36	27	30, 05	39	36

In JANUARY MDCC LXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		Deg.	Deg.
h JAN. 2.	☉ Upper L. Jupiter's Center. ☽ Lower L. Saturn's Center.	79	0	0	1	74	3	46	74	3	45	29, 82	37	35
δ 5.	☉ Lower L. ☉ Upper L. Jupiter's Center. Saturn's Center. ☽ Lower L.	79	3	15	4	74	17	46	73	45	5	29, 83	40	41
		78	10	11	2	73	45	6	73	45	5	29, 8	42	39
		57	1	11	6	53	32	17	53	32	16	29, 80	42	39
		54	15	1	7	51	30	34	51	30	34	29, 78	41	39
		39	8	14	6	37	5	3	37	5	3			
u 7.	☉ Upper L. ☉ Lower L. Jupiter's Center. Saturn's Center. ☽ Lower L. 125 Tauri. ξ Orionis.	78	6	8	7	73	30	28	74	3	0	29, 54	43	44
		78	15	12	9	74	3	1	74	3	0	29, 54	43	42
		56	15	10	0	53	24	55	53	24	54	29, 56	43	41
		54	14	4	0	51	27	36	51	25*	38			
		29	12	12	6	27	56	9½	27	56	7			
		27	7	2	0	25	43	27,9						
		57	1	13	3	53	32	40,3						
♀ 8.	☉ Lower L. ☉ Upper L. ☽ Upper L.	78	13	7	9	73	54	53				29, 83	42	43
		78	4	3	5	73	22	18	73	22	17	29, 82	43	43
		26	10	10	8	24	59	59	24	59	57			
☉ 10.	☽ Upper L. Hazy.	28	8	8	6	26	44	59	26	44	58	29, 36	45	47
♀ 13.	☉ Upper L. ☉ Lower L.	77	7	0	4	72	35	56						
		78	0	4	5	73	8	28	73	8	26			
u 14.	Jupiter's Center. Saturn's Center.	56	7	11	10	52	57	12	52	57	10	29, 44	41	40
		54	10	15	6	51	16	3	51	16	0			
h 16.	☉ Lower L. ☉ Upper L.	77	6	14	2	72	35	27				29, 55	38	39
		76	13	11	3	72	3	10	72	3	11			
☉ 17.	α Libra. ☽ Lower L.	70	14	9	4	66	28	45,8				29, 36	39	37
		72	0	14	8	67	33	13	67	33	11			
δ 19.	☉ Upper L. ☉ Lower L.	76	3	4	0	71	26	25						
		76	12	8	2	71	58	59	71	58	56			
u 21.	☉ Lower L. Hazy. ☉ Upper L.	76	5	1	2	71	32	50						
		75	11	12	7	71	0	10	71	0	11			
h 23.	☉ Upper L. } Hazy and ☉ Lower L. } great tremor. Jupiter's Center. Faint.	75	3	14	12	70	32	34				30, 35	33	39
		75	13	2	5	71	4	59	71	4	58	30, 34	40	35
		55	12	10	8	52	18	16	52	18	15			
☉ 24.	☉ Lower L. ☉ Upper L.	75	9	1	3	70	50	42				30, 28	33	37
		74	15	12	13	70	18	5	70	18	4			
☽ FEB. 1.	☉ Upper L. ☉ Lower L. ☽ Lower L. Spica. Mars's Center.	72	11	11	2	68	11	7				30, 3	39	41
		73	4	14	13	68	43	36	68	43	37	30, 31	42	39
		41	9	13	7	39	00	52	39	0	5*	30, 32	39	30
		65	7	3	7	61	21	38	61	21	35+			
		63	10	13	7	59	41	52,8						
♀ 3.	☽ Lower L.	31	5	11	7	29	23	52	29	23	54	30, 21	38	34
♀ 5.	☉ Lower L. ☉ Upper L. α Orionis. H } Geminorum. " } ☽ Upper L.	72	0	12	1	67	32	39				30, 4	40	38
		71	7	8	2	67	00	09	67	0	7	30, 37	37	35
		47	1	0	4	44	7	19,9						
		30	1	9	0	28	12	59,6						
		30	13	8	5	28	55	2,7						
		26	1	8	7	24	27	53	24	27	54			
h 6.	☉ Upper L. ☉ Lower L.	71	2	4	4	66	41	44				30, 26	35	37
		71	11	8	2	67	14	13	67	14	13			
☉ 7.	☉ Lower L. ☉ Upper L. ☽ Upper L.	71	6	3	5	66	55	35				29, 88	42	39
		70	12	15	7	66	23	6	66	23	5	29, 94	36	30
		20	3	3	3	28	18	45	28	18	45			
♀ 10.	☉ Upper L. ☉ Lower L. ☽ Lower L. Very hazy.	69	12	9	7	65	25	32						
		70	5	13	2	65	57	58	65	57	59	29, 30	34	33
		49	9	5	5	46	29	4	46	29	5			
♀ 19.	☉ Lower L. ☉ Upper L.	67	1	5	2	62	53	24						
		66	8	1	7	62	20	58	62	20	56			
☽ 22.	☉ Lower L. ☉ Upper L.	65	14	13	5	61	48	25						
		65	5	9	10	61	15	58	61	15	56			
♀ 26.	☉ Upper L.	63	12	4	8	59	46	58	59	46	57			
☉ 28.	☉ Upper L. ☉ Lower L.	62	15	8	4	59	2	4				29, 95	37	36
		63	8	12	0	59	34	31	59	34	30			
♀ MAR. 5.	☉ Lower L.	61	8	2	6	57	39	55						
☽ 8.	☽ Upper L.	38	3	10	4	35	50	19	35	50	17	29, 16	37	38
δ 9.	☉ Upper L.	59	4	7	0	55	34	21						

In APRIL MDCC LXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
♂ 9.	☉ Lower L. <i>α Orionis.</i> H η μ ν γ ε } <i>Geminorum.</i> ☽ Upper L. Hazy.	59	13	10	0	56	6	39	56	6	38	29, 15	37	33
		47	1	0	5+	44	7	20,9						
		30	1	9	3	28	13	2,6						
		30	13	8	4+	28	55	1,7						
		30	12	8	0	28	51	26,7						
		33	3	4	3	31	7	43,5						
		37	3	6	10	34	53	16,9						
		27	13	14	6	26	7	37,8						
		45	2	1	4	42	18	34	42	18	33	29, 21	35	30
♀ 10.	☉ Lower L. ☉ Upper L.	59	6	15	0	55	43	8				29, 40	34	35
		58	13	12	3	55	10	53	55	10	53			
♂ 11.	☉ Upper L. Cloudy. ☉ Lower L.	58	7	1	6	54	47	26				29, 04	33	30
		59	0	4	0	55	19	38	55	19	38			
♀ 12.	☉ Upper L.	58	0	6	2	54	23	51	54	23	52			
☉ 21.	☉ Upper L. ☉ Lower L. γ } <i>Geminorum.</i> ε }	54	3	13	10	50	51	4				29, 80	46	42
		54	13	0	0	51	23	12	51	23	12			
		37	3	6	9	34	53	15,9				29, 77	44	46
		27	13	14	2	26	7	33,8						
♂ 23.	☉ Lower L. ☉ Upper L. μ } <i>Geminorum.</i> γ ε }	53	15	8	11	50	35	55				30, 13	44	44
		53	6	6	5	50	3	45	50	3	43			
		30	12	8	0	28	51	26,7						
		37	3	6	7	34	53	13,9						
		27	13	14	0	26	7	31,8						
☉ 28.	☉ Upper L. ☉ Lower L.	51	4	15	7	48	6	13				29, 75	46	42
		51	14	1	10	48	38	21	48	38	19			
♂ 30.	☉ Lower L. Cloudy. ☉ Upper L.	51	0	13	6	47	51	42						
		50	7	11	10	47	19	42	47	19	40			
♂ APR. 1.	☉ Upper L. ☉ Lower L. ☽ Upper L. Hazy.	49	10	8	6	46	33	16				29, 17	42	41
		50	3	10	9	47	5	23,6	47	5	22			
		25	10	10	5	24	3	41	24	3	40	29, 17	43	43
♀ 2.	☉ Lower L. ☉ Upper L. ☽ Upper L.	49	13	1	6	46	42	16				29, 56	41	42
		49	3	15	8	46	10	14	46	10	12			
		27	0	5	2	25	19	53	25	19	51	29, 72	43	41
♂ 3.	☉ Upper L. ☉ Lower L.	48	13	7	0	45	47	15				29, 74	47	42
		49	6	9	0	46	19	19	46	19	17+			
☉ 4.	☉ Lower L. ☉ Upper L. ☽ Upper L. <i>Regulus.</i>	49	0	0	11	45	56	26				29, 80	54	48
		48	6	15	2	45	24	25	45	24	23-			
		35	7	5	0	33	14	27	33	14	25	29, 9	47	48
		40	14	7	3	38	20	48,4						
☽ 5.	☽ Upper L.	41	12	11	2	39	10	53				30, 0	41	43
♂ 6.	☉ Upper L. ☉ Lower L.	47	10	0	8	44	39	2				29, 92	55	49
		48	3	2	4	45	11	3	45	11	0			
♀ 7.	☉ Lower L. ☉ Upper L.	47	12	11	7	44	48	28				30, 14	46	46
		47	3	10	0	44	16	30	44	16	27			
♂ 8.	☉ Upper L. ☉ Lower L.	46	13	3	12	43	54	4						
		47	6	5	7	44	26	4	44	26	4-			
☽ 12.	☉ Lower L.	45	13	3	3	42	57	40	42	57	39			
♂ 15.	☉ Upper L. ☉ Lower L.	44	1	10	3	41	20	46				29, 76	61	52
		44	10	11	11	41	52	45	41	52	43			
♂ 17.	☉ Lower L. ☉ Upper L.	43	14	10	9	41	10	19				29, 63	64	58
		43	6	9	6	40	38	24	40	38	24			
☉ 18.	☉ Upper L. ☉ Lower L.	42	15	9	9	40	17	22				29, 79	60	56
		43	8	11	2	40	49	20	40	49	21			
♂ 20.	☉ Lower L. ☉ Upper L.	42	12	14	10	40	7	57				29, 96	64	59
		42	3	13	9	39	46	4	39	46	2			
♀ 21.	☉ Upper L. { Very hazy. ☉ Lower L. {	41	14	0	12	39	15	40				29, 88	67	60
		42	7	2	0	39	47	33	39	47	32			
♂ 22.	☉ Lower L. Naked eye. <i>Spica.</i> <i>Mars's Center.</i> <i>m Virginis.</i>	42	1	6	0	39	27	20				29, 92	57	54
		65	7	4	6	61	21	50,3						
		62	5	0	0	58	25	5	58	25	4			
		62	14	0	11	58	56	54,1						
♀ 23.	☉ Lower L. ☉ Upper L. <i>Spica.</i> <i>Mars's Center.</i> <i>m Virginis.</i>	41	11	10	9	39	7	16				30, 11	63	58
		41	2	9	11	38	35	27	38	35	25			
		65	7	4	5	61	21	49,3				30, 20	57	52
		62	3	5	8	58	19	17	58	19	15			
		62	0	14	7	58	10	41,6						
☉ 25.	☉ Upper L.	40	7	6	3	37	55	59				30, 12	62	58

In MAY MDCC LXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
25.	☉ Lower L. Mars's Center.	41	0	8	0	38	28	0	38	28	0	30, 01	58	53
26.	♂ Mars's Center.	61	14	10	2	58	2	42	58	2	43	29, 76	59	58
27.	☉ Lower L. } ☉ Upper L. } Very hazy.	40	5	7	10	37	49	17	37	17	34	29, 68	67	60
29.	♂ Upper L. Very hazy.	26	5	3	0	24	40	44	24	40	42	29, 55	60	64
MAY 2.	☉ Upper L. Cloudy.	38	2	3	3::	35	45	14,4				29, 69	54	52
6.	♂ Upper L. λ Virginis.	67	4	5	12	63	4	7	63	4	5	29, 67	49	45
7.	☉ Upper L. ☉ Lower L. ♂ Mars's Center. *16 α Libræ. ♂ Upper L. ♂ Lower L.	36 37 61 70 73 73	9 2 1 14 5 15	12 13 9 9 15 0	5 1 10 11 7 5	34 34 57 66 68 69	29 51 16 28 47 19	22 9 55 52 14 4	34 34 57 66 68 69	51 51 15* 28 28 19	7 7 52+ 51 2	29, 75 29, 74 29, 74	49 48 48	49 44 44
8.	☉ Lower L. ☉ Upper L.	36 36	14 5	2 1	6 10	34 34	34 2	45 58	34 34	2 2	58 58	29, 75		50
9.	☉ Upper L. ☉ Lower L.	36 36	0 9	8 9	10 7	33 34	46 18	55 44	34 34	18 18	45 45			
10.	☉ Lower L. ☉ Upper L.	36 35	5 12	1 0	7 10	34 33	2 31	55 6	33 33	31 31	9			
13.	☉ Upper L. ☉ Lower L. ♂ Upper L.	34 35 81	15 8 10	1 2 13	8 4 12	32 33 76	45 17 34	35,2 22,9 28	33 76	17 34	22 25	29, 85 29, 87	66 52	
16.	☉ Lower L. ☉ Upper L. 2.	34 34	11 2	15 15	9 5	32 32	34 2	37,1 54,6	32 32	2 2	41 41	29, 98	59	
23.	☉ Upper L. ☉ Lower L.	32 33	9 2	13 13	1 0	30 31	34 6	30,8 8	31 31	6 6	8 8	30, 11	65	
25.	☉ Lower L. ☉ Upper L.	32 32	12 3	8 8	8 5	30 30	44 12	5 23	30 30	12 12	21 21	30, 16	67	
26.	☉ Upper L. ☉ Lower L. ♂ Mars's Center.	32 32 61	0 9 0	8 8 8	3 11 10	30 30 57	1 33 13	49 35 11	30 30 57	33 33 13	34 9	30, 08 30, 06	71 60	
28.	☉ Lower L. ☉ Upper L. ♂ Upper L. ♂ Mars's Center.	32 31 32 61	3 10 2 2	13 13 0 2	7 8 8 2	30 29 30 57	13 41 7 18	31 54 10 45	29 29 30 57	41 41 7 18	51 51 8 43	30, 05 30, 00 30, 00	66 72 65	
29.	☉ Upper L. ☉ Lower L.	31 32	8 1	2 3	5 8	29 30	32 4	24 18	30 30	4 4	17 17	30, 05	69	
30.	☉ Lower L. ☉ Upper L. ♂ Upper L. Doubtful.	31 31 44	14 5 1	8 9 15	12 0 2	29 29 41	54 23 21	56 18 51	29 29 41	54 23 21	16 16 53	30, 27 30, 24	56 60	
31.	☉ Upper L. ♂ Upper L.	31 51	3 1	2 6	1 7	29 47	14 53	45 42	29 47	14 53	42 42	30, 14 30, 10	68 68	
JUNE 1.	☉ Upper L. 2. ☉ Lower L. ♂ Upper L. ♂ Mars's Center. Spica.	31 31 58 61 65	0 9 2 6 7	12 12 8 2 5	4 7 10 6 0	29 29 54 57 61	6 38 31 32 21	27 8,6 27 53 57	29 29 54 57 61	9 9 31 32 21	4 4 25 52 56	30, 10 30, 07	73 69	
4.	☉ Lower L. Naked eye.	31	3	5	8	29	15	31,7				30, 10	73	
5.	☉ Lower L. ☉ Upper L.	31 30	1 8	7 7	1 3	29 28	8 37	49 13	28 28	37 37	13½ 13½	30, 02	68	
7.	♂ Mars's Center.	61	14	4	5	58	1	26	58	1	26	29, 94	61	
8.	☉ Upper L. ☉ Lower L. ♂ Mars's Center. Spica. τ Sagittarii. ♂ Lower L. A little Hazy.	30 30 61 65 84 85	3 12 15 7 10 0	6 6 14 5 14 8	3 9 0 0 11:: 0	28 28 58 61 79 79	19 51 7 21 23 43	25 9 4 57 25 00,5	28 28 58 61 79 79	51 51 7 21 23 43	8 8 3 55 24 00	29, 93 29, 89 29, 86 29, 86	68 64 55 55	
13.	☉ Lower L. ☉ Upper L.	30 29	6 13	3 3	0 0	28 27	29 57	15 37	27 27	57 57	36 36	29, 84	71	
14.	♂ Upper L.	58	13	0	5	55	8	17	55	8	16	29, 84	64	
15.	☉ Upper L. Very Cloudy. ☉ Lower L. ♂ Mars's Center.	29 30 62	11 4 12	8 9 9	9 6:: 8	27 28 58	51 23 51	50 38 48	28 28 58	23 23 51	36 36 47	29, 83	71	
16.	☉ Lower L.	30	3	14	0	28	27	7						
18.	☉ Lower L.	30	2	14	10	28	17	46				30, 07	71	

In JULY MDCC LXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D	M.	S.	D.	M.	S.			Inches.
♀ 18.	☉ Upper L.	29	9	15	12	27	46	23	27	46	22			
♂ 19.	☉ Upper L.	29	9	10	6	27	45	11				30, 10	73	
	☉ Lower L.	30	2	10	0	28	16	44	28	16	43			
♂ 23.	☉ Lower L. { Very hazy.	30	2	7	5	28	16	9				30, 06	69	
	☉ Upper L. {	29	9	9	5	27	44	57	27	44	58			
	Mars's Center.	63	14	4	7	59	53	58	59	53	59	30, 02	70	
♂ 29.	☉ Lower L.	30	6	1	0	28	28	49				30, 02	66	
	☉ Upper L.	29	13	1	5	27	57	15	27	57	15			
	☉ Upper L.	63	2	1	7	59	11	8	59	11	7	30, 01	63	
♂ 30.	☉ Upper L.	29	14	0	12	28	0	40				30, 02	67	
	☉ Lower L.	30	7	1	11	28	32	31	28	32	30			
	Venus's Center.	32	7	1	9	30	24	59	30	24	58	30, 02	68	
	☉ Upper L. Very uncertain.	69	8	10	12	65	11	46	65	11	43	29, 97	66	
♀ JULY 2.	☉ Upper L.	79	10	5	1	74	40	1	74	40	0	29, 88	58	
	Antares.	82	7	2	12	77	17	44,9						
♂ 3.	☉ Lower L.	30	10	10	11	28	45	2	28	45	3	29, 87	64	
	Antares.	82	7	2	10	77	17	42,9				29, 70	57	
	☉ Upper L.	82	13	11	13	77	40	50	77	40	49	29, 70	57	
♂ 5.	☉ Lower L.	85	4	10	0	79	57	31				29, 92	54	
	☉ Upper L.	84	12	2	6	79	27	44	79	27	45			
♂ 7.	☉ Upper L.	30	8	2	7	28	36	11				29, 93	67	
	☉ Lower L.	31	1	2	6	29	7	48	29	7	48			
	Venus's Center. ♀.	34	11	11	0	32	33	35	32	33	45	29, 93	71	
♀ 9.	☉ Upper L.	72	2	10	10	67	39	24	67	39	23+	30, 10	63	
♂ 10.	☉ Lower L.	31	7	2	2	29	8	50				30, 13	75	
	☉ Upper L.	30	14	2	10	28	57	19	28	57	17			
	Venus's Center.	35	13	9	2	33	36	28	33	36	29	30, 12	75	
☉ 11.	☉ Upper L.	31	0	6	1	29	5	5						
	☉ Upper L.	60	14	13	9	57	7	14	57	7	12	29, 99	61	
♂ 12.	☉ Upper L.	31	2	11	10	29	13	22						
	☉ Lower L.	31	11	12	10	29	45	13	29	45	12			
	☉ Upper L.	54	12	10	8	51	22	1	51	22	0	29, 95	62	
♂ 13.	☉ Lower L.	31	14	3	0	29	53	38				29, 95	76	
	☉ Upper L.	31	5	2	9	29	21	55	29	21	55			
♂ 14.	☉ Upper L.	31	7	11	7	29	30	54				29, 0	80	
	☉ Lower L.	32	0	11	4	30	2	29	30	2	30			
♂ 15.	☉ Lower L.	32	3	5	11	30	11	50				29, 80	74	
	☉ Upper L.	31	10	6	4	29	40	18	29	40	16			
	Jupiter's Center.	41	1	11	0	38	32	11	38	32	10	29, 90	63	
	☉ Upper L. Faint.	36	9	9	0	34	18	37	34	18	36	29, 90	63	
♀ 16.	☉ Upper L.	31	13	2	2	29	49	56				29, 92	72	
	☉ Lower L.	32	6	2	3	30	21	35	30	21	33			

DAILY RATES of the CLOCK used in CALCULATION.

DAY of the MONTH.	Num- ber of Days.	Daily Rate in Time.	Daily Rate in RA.	DAY of the MONTH.	Num- ber of Days.	Daily Rate in Time.	Daily Rate in RA.	DAY of the MONTH.	Num- ber of Days.	Daily Rate in Time.	Daily Rate in RA.
1756				1757				1758			
Jan. 5				July 9	8	+ 0,03	+ 0,45	Oct. 30	10	+ 0,29	+ 4,35
13	8	+ 2,01	+ 30,15	18	9	0,04	0,60	Nov. 8	9	0,30	4,50
20	7	1,9	28,5	29	11	0,15	2,25	16	8	0,01	0,15
30	10	1,93	29,0	Aug. 7	9	0,21	3,15	26	10	0,07	1,03
Feb. 11	12	1,93	29,0	14	7	0,06	0,90	Dec. 7	11	0,18	2,70
22	11	1,92	29,0	25	11	0,34	5,10	13	6	0,21	3,15
March 3	9	1,98	29,8	31	6	0,46	6,90	18	5	0,05	0,75
13	10	1,91	29,6	Sept. 4	4	0,29	4,37	29	11	0,18	2,70
20	7	1,90	28,50	12	8	0,32	4,81	1759			
April 2	13	2,00	30,00	19	7	0,12	1,82	Jan. 5	7	0,37	5,55
11	9	1,98	29,8	25	6	0,29	4,35	8	3	0,32	4,80
22	11	1,93	29,0	Oct. 1	6	0,13	1,95	17	9	0,28	4,21
29	7	1,97	29,6	6	5	0,28	4,19	23	6	0,13	1,95
May 11	12	1,90	28,6	17	11	+ 0,27	+ 4,05	29	6	0,37	5,56
18	7	1,52	22,8	20	3	- 0,14	- 2,11	Feb. 3	5	0,38	5,70
31	13	1,73	25,95	29	9	+ 0,12	+ 1,80	11	8	0,37	5,55
June 8	8	1,88	28,2	Nov. 7	9	0,26	3,90	17	6	0,21	3,15
16	8	1,98	28,7	12	5	0,27	4,05	28	11	0,32	4,80
26	10	1,85	27,8	21	9	0,22	3,31	March 10	10	0,61	9,15
July 4	8	1,98	28,7	27	6	0,34	5,10	17	7	0,50	7,51
14	10	1,87	28,05	Dec. 6	9	0,49	7,35	22	5	0,25	3,75
21	7	1,88	28,33	14	8	0,27	4,36	27	5	0,40	6,00
31	10	+ 1,92	+ 29,00	18	4	0,15	2,25	31	4	0,34	5,12
The Pendulum lengthened.				28	10	0,32	4,80	April 10	10	0,44	6,60
Aug. 1				1758				18	8	0,28	4,21
6	5	- 0,22	- 3,10	Jan. 4	7	0,35	5,25	25	7	0,23	3,45
14	8	0,20	3,00	13	9	0,52	7,80	30	5	0,48	7,19
22	8	0,23	3,50	19	6	0,26	3,90	The Clock was stopped.			
31	9	0,17	2,51	25	6	0,17	2,55	May 1			
Sept. 6	6	0,08	1,25	Feb. 9	15	0,35	5,25	5	4	+ 0,37	+ 5,54
13	7	0,13	2,00	14	5	0,70	10,50	16	11	0,40	6,08
23	10	0,10	1,50	20	6	0,47	7,05	21	5	0,16	2,43
28	5	- 0,25	- 3,75	27	7	0,56	8,40	27	6	0,34	5,08
Oct. 7	9	+ 0,17	+ 2,55	March 8	9	0,56	8,40	June 9	13	0,50	7,50
20	13	0,08	1,20	16	8	0,50	6,50	18	9	0,42	6,30
29	9	0,02	0,30	27	11	+ 0,17	+ 2,55	20	2	0,52	7,80
Nov. 8	10	+ 0,05	+ 0,75	30	3	- 0,07	- 1,05	24	4	0,36	5,41
21	13	- 0,16	- 2,40	April 5	6	+ 0,11	+ 1,65	28	4	0,41	6,15
28	7	0,12	1,8	10	5	- 0,07	- 1,05	July 3	5	0,40	6,01
Dec. 1	3	0,16	2,4	19	9	0,68	10,20	7	4	0,43	6,45
13	12	- 0,09	- 1,35	22	3	0,08	1,20	13	6	0,35	5,25
23	10	+ 0,09	+ 1,36	May 2	10	0,08	1,20	20	7	0,25	3,75
1757				9	7	0,05	0,75	27	7	0,31	4,65
Jan. 2	10	0,13	2,02	17	8	0,09	1,35	The Clock was taken down and cleaned.			
9	7	- 0,08	- 1,2	23	6	- 0,19	- 2,85	July 30			
20	11	+ 0,17	+ 2,25	29	6	+ 0,05	+ 0,75	31	1	- 3,72	- 55,80
29	9	0,37	5,55	June 3	5	- 0,11	- 1,65	Aug. 1	1	3,03	45,45
Feb. 7	9	0,07	1,05	10	7	+ 0,01	+ 0,15	2	1	3,5	52,50
12	5	0,15	2,25	17	7	- 0,10	- 1,50	The Pendulum shortened.			
22	10	0,13	2,02	22	5	0,13	1,95	Aug. 2			
March 2	8	0,12	1,80	28	6	0,09	1,35	8	6	- 0,27	- 4,05
14	12	0,09	1,35	July 4	6	- 0,06	- 0,90	15	7	0,54	8,10
20	6	0,06	0,90	14	10	+ 0,08	+ 1,20	25	10	0,50	7,51
31	11	0,17	2,55	17	3	0,08	1,20	31	6	0,18	7,20
April 9	9	0,10	1,60	25	8	0,08	1,20	Sept. 6	6	0,37	5,55
17	8	+ 0,09	+ 1,35	Aug. 2	8	0,02	0,30	13	7	0,50	7,48
26	9	- 0,06	- 0,90	10	8	+ 0,03	+ 0,45	21	8	0,63	9,44
May 3	7	0,04	0,60	18	8	- 0,13	- 1,95	30	9	0,52	7,81
13	10	0,18	2,87	27	9	- 0,03	- 0,45	Oct. 8	8	0,47	7,05
22	9	0,26	3,90	Sept. 6	10	+ 0,10	+ 1,50	20	12	0,50	7,50
29	7	- 0,19	- 2,85	11	5	+ 0,11	+ 1,65	24	4	0,73	10,94
June 2	4	+ 0,03	+ 0,45	20	9	- 0,04	- 0,60	31	7	0,56	8,40
15	13	0,08	1,20	28	8	- 0,04	- 0,60	Nov. 3	3	0,61	9,15
25	10	+ 0,14	+ 1,80	Oct. 9	11	+ 0,10	+ 1,50	12	9	0,59	7,85
July 1	6	- 0,15	- 2,25	13	4	+ 0,02	+ 0,60	23	11	0,80	12,00
				20	7	- 0,10	- 1,50	30	7	1,00	15,00

DAILY RATES of the CLOCK used in CALCULATION.

DAY of the MONTH.	Num- ber of Days.	Daily Rate in Time.	Daily Rate in RA.	DAY of the MONTH.	Num- ber of Days.	Daily Rate in Time.	Daily Rate in RA.	DAY of the MONTH.	Num- ber of Days.	Daily Rate in Time.	Daily Rate in RA.
1759		"	"	1760		"	"	1761		"	"
The Pendulum shortened.				The Pendulum shortened.				The Pendulum shortened.			
Dec. 2	1	- 0,32	- 4,81	Oct. 19	6	2,11	31,65	Aug. 20	3	- 0,02	- 0,30
12	9	0,03	0,45	24	5	1,97	29,55	24	4	0,12	1,80
17	5	0,45	6,75	31	7	1,02	15,32	31	7	+ 0,06	+ 0,90
26	9	0,07	1,05	The Pendulum shortened.				Sept. 5	5	0,24	3,60
31	5	- 0,26	- 3,90	Nov. 3	4	- 0,95	- 14,25	8	3	0,02	0,30
1760				7	14	0,30	4,50	19	11	0,34	5,10
Jan. 2	2	+ 0,22	+ 3,30	23	2	0,51	7,64	25	6	0,79	4,35
9	7	- 0,23	- 3,45	The Clock was stopped.				29	4	0,26	3,90
22	13	0,63	9,45	Dec. 4	2	- 0,59	- 8,85	Oct. 5	6	0,01	0,15
28	6	0,08	1,20	The Clock was stopped.				15	10	0,13	1,95
Feb. 6	9	0,66	9,90	Dec. 10	4	- 0,66	- 9,90	20	5	+ 0,34	+ 5,10
16	10	1,12	16,80	14	8	- 0,11	1,65	26	6	- 0,08	- 14,70
24	8	1,77	26,55	22	7	+ 0,08	+ 1,21	Nov. 5	10	+ 0,01	+ 0,15
The Pendulum shortened.				29	7	+ 0,08	+ 1,21	11	6	- 0,02	- 0,30
Feb. 24	1	+ 0,08	+ 1,20	The Clock was stopped.				17	6	+ 0,12	+ 1,80
25	4	0,04	0,60	Dec. 10	4	- 0,66	- 9,90	24	7	- 0,23	- 3,45
29	4	0,04	0,60	14	8	- 0,11	1,65	30	6	0,95	14,25
March 4	4	- 0,06	- 0,90	22	7	+ 0,08	+ 1,21	Dec. 5	5	3,71	55,65
11	7	+ 0,42	+ 2,10	The Clock was stopped.				11	6	0,86	12,90
22	11	0,90	13,50	1761				23	12	1,02	15,30
29	7	0,75	11,25	Jan. 2	10	- 0,29	- 4,35	30	7	0,97	14,55
April 4	6	0,35	12,75	12	6	0,39	5,85	1762			
15	11	1,34	19,10	18	7	0,35	5,25	Jan. 5	6	2,58	37,70
27	12	0,84	12,60	25	5	0,37	5,55	14	9	0,49	7,35
29	2	1,14	17,10	The Clock was put forward.				26	12	2,15	32,25
May 11	12	1,65	24,75	Feb. 1	10	+ 0,61	+ 9,15	Feb. 5	10	1,01	15,15
The Pendulum lengthened.				11	7	0,59	8,85	13	8	1,71	25,65
May 13	10	- 0,44	- 6,60	18	6	0,71	10,65	The Clock was taken down and cleaned.			
23	8	0,26	3,90	24	6	0,36	5,40	Feb. 18	5	- 1,11	- 16,65
31	3	0,23	4,05	14	12	0,29	4,35	23	14	0,74	11,10
June 3	3	0,23	4,05	21	7	0,13	1,95	March 9	12	1,81	27,15
13	10	0,21	3,15	30	9	0,25	3,75	21	8	2,62	39,30
21	8	0,26	3,90	April 4	5	0,05	0,75	29	4	2,30	34,50
30	9	0,05	0,75	10	6	0,24	3,60	7	5	2,25	33,75
The Clock was stopped.				20	10	0,57	8,55	18	11	1,98	29,70
July 3	10	- 0,12	- 1,81	26	6	+ 0,36	+ 5,40	26	8	1,85	27,75
13	7	0,28	4,20	May 7	11	- 0,29	- 4,35	The Pendulum shortened.			
20	9	- 0,17	- 2,55	15	8	+ 0,47	+ 7,05	May 6	1	+ 0,25	+ 3,75
29	9	- 0,17	- 2,55	24	9	+ 0,61	+ 9,15	7	5	0,02	0,30
Aug. 9	11	+ 0,12	+ 1,80	June 8	15	- 0,60	- 9,00	12	14	0,33	4,95
19	10	- 0,21	- 3,15	14	6	+ 0,03	+ 0,45	26	4	1,00	15,00
23	4	0,13	1,95	24	10	0,17	2,55	30	2	0,62	9,31
31	8	0,31	4,65	July 8	14	0,18	2,70	8	7	0,55	8,25
Sept. 8	8	0,28	4,20	10	2	0,27	4,05	19	11	0,85	12,75
15	7	0,81	12,15	16	6	0,29	4,35	23	4	1,15	17,25
21	6	0,90	13,50	22	6	0,28	4,21	30	7	1,60	24,00
29	8	1,05	15,75	24	2	0,33	4,95	July 3	3	1,91	28,65
Oct. 4	5	1,54	23,10	29	5	0,38	5,70	11	8	1,45	21,75
13	9	1,79	26,85	Aug. 10	12	0,30	4,50	16	5	2,51	37,65
				12	2	0,62	9,30				
				17	5	+ 0,34	+ 5,10				

In the YEAR MDCC LVI.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
JANUARY.				JANUARY.				FEBRUARY.			
5 δ 1st L.				21 Capella.				8 δ 1st L.			
Algenib.				Rigel.				Aldebaran.			
ϵ Andromedæ.				δ 2d L.				Capella.			
α Orionis.				γ Corvi.				Rigel.			
								α Orionis.			
6 α Lyræ.				23 δ 2d L.				Syrus.			
				Arcturus.				Castor.			
7 δ 1st L.				α Lyræ.				Procyon.			
Algenib.								Pollux.			
α Lyræ.											
10 δ 1st L.				24 Aldebaran.				9 Aldebaran.			
				Capella.				Capella.			
				α Orionis.				Rigel.			
12 η Pleiadum.				25 δ 2d L.				β Tauri.			
				β Scorpii.				δ 1st L.			
				Antares.				α Orionis.			
				α Aquilæ.				Syrus.			
13 δ Andromedæ.				26 γ } Arietis.				Procyon.			
μ } Tauri.				β } Arietis.				Pollux.			
γ } Tauri.				α Piscium.				α Lyræ.			
Aldebaran.				α } Arietis.				α Aquilæ.			
δ 1st L.				α Cygni.				α Cygni.			
15 λ } Andromedæ.				27 Procyon.				11 ϵ Tauri.			
τ } Andromedæ.				Pollux.				Aldebaran.			
54 } Piscium.				28 Castor.				Capella.			
ϵ } Piscium.				Procyon.				Rigel.			
4 } Arietis.				Pollux.				β } Tauri.			
α Trianguli.				29 Procyon.				ϵ } Tauri.			
γ } Arietis.				Pollux.				α Orionis.			
β } Arietis.				30 Aldebaran.				μ Geminorum.			
λ } Arietis.				Capella.				δ 1st L.			
α } Arietis.				Rigel.				Syrus.			
Aldebaran.				Rigel.				Castor.			
Capella.				δ 1st L.				Procyon.			
Aldebaran.				α Aquilæ.				Pollux.			
Capella.											
Rigel.											
δ 1st L.											
α Aquilæ.											
16 α Cygni.				27 α Lyræ.				13 γ } Tauri.			
Aldebaran.								6 m } Tauri.			
Capella.								Aldebaran.			
Rigel.								Capella.			
α Orionis.								Rigel.			
Syrus.								β } Tauri.			
Castor.								ϵ } Tauri.			
δ 1st L.								α Orionis.			
α Lyræ.								Syrus.			
								Castor.			
								Procyon.			
								Pollux.			
								δ 1st L.			
								Antares.			
17 α Lyræ.				277 9 48,7				14 δ 1st L.			
								α Lyræ.			
								α Cygni.			
18 α Cygni.				308 16 27,4				15 α Lyræ.			
Syrus.				98 36 17							
δ 2d L.				139 29 12,1				16 Aldebaran.			
								Capella.			
19 Capella.				74 40 56				Rigel.			
Rigel.				75 42 34,3				α Orionis.			
β Tauri.				77 43 35,7				Regulus.			
α Orionis.				85 29 47				δ 2d L.			
Regulus.				148 50 31,6				Antares.			
δ 2d L.				152 53 15				α Lyræ.			
Antares.				243 37 6,3				α Aquilæ.			
α Lyræ.				277 9 49,2							
α Aquilæ.				294 42 46,9							
20 Capella.				74 40 55,9				17 Capella.			
Rigel.				75 42 34,1				Rigel.			
Syrus.				98 36 17							
δ 2d L.				166 11 20							

In the Y E A R M D C C L V I.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.				
F E B R U A R Y.				F E B R U A R Y.				M A R C H.						
		° ' "				° ' "				° ' "				
17	<i>β Tauri.</i> <i>α Orionis.</i> * <i>H</i> <i>η</i> <i>μ</i> <i>ν</i> <i>γ</i> <i>ε</i> <i>Syrius.</i> * <i>Procyon.</i> * <i>Pollux.</i> *	77 85 87 90 92 93 95 97 98 111 112	43 29 19 2 3 37 54 13 36 38 35	36,4 42,6 31 27 12 26 26 56 13,3 2,7 37,8	22	<i>Aldebaran.</i> * <i>τ Tauri.</i> <i>Capella.</i> * <i>16 Aurigæ.</i> <i>Rigel.</i> * <i>τ Orionis.</i> <i>22 Aurigæ.</i> <i>β Tauri.</i> <i>δ</i> <i>ζ</i> <i>α</i> <i>H</i> <i>ν</i> <i>3</i> <i>4</i> <i>6</i> <i>η</i> <i>2 f</i> <i>l</i> <i>46 Aurigæ.</i> <i>μ</i> <i>ν</i> <i>γ</i> <i>ε</i> <i>Syrius.</i> * <i>δ Geminorum.</i> <i>Castor.</i> * <i>Procyon.</i> * <i>σ</i> <i>κ</i> <i>Pollux.</i> * <i>g Geminorum.</i> <i>Spica Virginis.</i> * <i>Antares.</i> * <i>δ 2d L.</i> <i>α Lyrae.</i> * <i>α Aquilæ.</i> *	65 66 74 75 75 76 76 77 79 82 85 87 87 88 88 89 90 90 90 91 92 93 95 97 98 106 109 111 112 112 112 112 198 243 245 277 294	29 54 40 33 42 26 59 43 53 6 29 19 59 55 23 2 20 55 31 50 3 37 54 13 36 45 10 38 0 25 56 5 37 56 54 5 1,6 42	19,2 37,4 46,5 7,5 25,4 36,5 29 33,1 21,4 58,7 44,7 35,8 21 50 8 27,6 31 5 50 12,4 19,5 27 57,2 12,6 15,6 10 4,1 45 41,1 39,5 56 49,7 23 54 1,6 55,5	9	<i>α Orionis.</i> * <i>δ 1st L.</i> <i>η</i> <i>μ</i> <i>ν</i> <i>γ</i> <i>Syrius.</i> * <i>Castor.</i> * <i>Procyon.</i> * <i>κ Geminorum.</i> <i>Pollux.</i> * <i>g Geminorum.</i> <i>δ 2d L.</i> <i>2 A</i> <i>1 α</i> <i>2 α</i>	85 87 90 92 93 95 98 109 111 112 112 112 127 128 130 131	29 6 2 3 37 54 36 45 37 25 35 59 42 23 28 17	38,4 47 24,2 10 20 19,5 9,1 7,5 59,8 37,5 34,6 53,5 5,3 20 57,5 5
18	<i>α Lyrae.</i> * <i>α Aquilæ.</i> *	277 294	9 42	59,8 54,2										
19	<i>Aldebaran.</i> * <i>α Orionis.</i> * <i>H</i> <i>η</i> <i>μ</i> <i>ν</i> <i>γ</i> <i>ε</i> <i>Syrius.</i> * <i>Procyon.</i> * <i>κ Geminorum.</i> <i>Pollux.</i> * <i>δ 2d L.</i> <i>α Lyrae.</i> * <i>α Aquilæ.</i> *	65 85 87 90 92 93 95 97 98 111 112 112 202 277 294	29 29 19 2 3 37 22 13 36 38 25 35 22 10 42	16,3 42,3 37 29 14 22 23 59 13 2,5 37,4 37,6 21 0,3 54,5	21	<i>Capella.</i> * <i>108 Tauri.</i> <i>Rigel.</i> * <i>τ Orionis.</i> <i>σ Aurigæ.</i> <i>β</i> <i>ζ</i> <i>129</i> <i>132</i> <i>α Orionis.</i> * <i>Syrius.</i> * <i>6 m.</i> <i>Castor.</i> * <i>Procyon.</i> * <i>κ Geminorum.</i> <i>Pollux.</i> * <i>γ Libræ.</i> <i>δ 2d L.</i> <i>κ</i> <i>α</i> <i>2 A</i> <i>β</i> <i>b</i> <i>1 A</i> <i>2 A</i> <i>π</i> <i>δ</i> <i>50 Libræ.</i> <i>β Scorpii.</i> <i>Antares.</i> * <i>α Lyrae.</i> * <i>α Aquilæ.</i> * <i>α Cygni.</i> *	74 75 75 76 77 77 80 83 83 85 98 112 109 111 112 112 230 231 231 232 233 233 234 234 235 236 236 236 237 243 277 294 308	40 12 42 26 1 43 46 11 31 29 36 35 45 38 25 40,1 35 28 1 59 35 4 37 44 5 45 1 2 2 29 54 49 37 10 42 16	46,8 32 25,6 39 46,7 32,1 17,3 16,1 1,1 44,9 12,6 35 10,2 4,2 40,1 39,6 50 12,6 5 51 5 35 12 27 20 1 12 20 46 27,1 22,6 1,1 55,2 32,9	23	<i>Capella.</i> * <i>Rigel.</i> * <i>β Tauri.</i> <i>α Orionis.</i> *	74 75 77 85	40 42 43 29	46,2 25,1 32,7 44,5
				M A R C H.										
		° ' "				° ' "				° ' "				
1	<i>Castor.</i> * <i>Procyon.</i> * <i>κ Geminorum.</i> <i>Pollux.</i> *	109 111 112 112	45 38 25 35	9,1 1,2 38,7 36,1	3	<i>Capella.</i> * <i>Rigel.</i> * <i>β Tauri.</i> <i>η</i> <i>α</i> <i>H</i> <i>η</i> <i>μ</i> <i>ε</i> <i>Syrius.</i> *	74 75 77 78 85 87 90 92 97 98	40 42 43 23 29 19 2 3 13 36	43,6 25,2 27 23 39,7 41,3 26 7 55,5 10,5	8	<i>Castor.</i> * <i>Procyon.</i> * <i>Pollux.</i> *	109 111 112	45 38 35	7,7 0 34,9
9	<i>Aldebaran.</i> * <i>Capella.</i> *	65 74	29 40	12,3 41,7	16	<i>Aldebaran.</i> * <i>Capella.</i> *	65 74	29 40	10,6 39					

In the YEAR MDCC LVI.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
MARCH.				APRIL.				APRIL.			
20	Aldebaran.	*	65 29 9,8	10	1 α } Cancri.	130	38 59	22	Pollux.	*	112 35 24,3
	Capella.	*	74 40 37,8		2 α }	131	16 59		α Aquilæ.	*	294 43 20,2
	Rigel.	*	75 42 21,1		1st L.	147	50 43		α Cygni.	*	308 16 59,7
	β Tauri.	*	77 43 20,1		Regulus.	148	50 35,3		1st L.	*	326 8 47,8
	α Orionis.	*	85 29 35,7		α Aquilæ.	294	43 14,8				
	Castor.	*	109 45 4,9		α Cygni.	308	16 53,4	24	Syrius.	*	98 35 57,6
	ν } Geminorum.		110 13 4	11	Syrius.	98	36 0,6		α Aquilæ.	*	294 43 21,1
	70 } Geminorum.		110 37 34		Castor.	109	44 59,2		α Cygni.	*	308 17 0,8
	o } Geminorum.		110 48 10		Procyon.	111	37 52,8	27	Syrius.	*	98 35 57
	f } Geminorum.		111 20 40		Pollux.	112	35 27		Regulus.	*	148 50 32,5
	Procyon.	*	111 37 57,7		Regulus.	148	50 35,2		α Aquilæ.	*	294 43 22,3
	σ } Geminorum.		112 0 40		ξ Leonis.	150	46 27,2		α Cygni.	*	308 17 2,4
	κ } Geminorum.		112 25 32,1		1st L.	161	22 42	28	α Orionis.	*	85 29 27
	Pollux.	*	112 35 32,4	12	α Orionis.	85	29 30,9		Procyon.	*	111 37 49,4
	g } Geminorum.		112 59 48		Syrius.	98	36 0,3	29	Procyon.	*	111 37 49,1
	φ } Geminorum.		114 38 10		ω Virginis.	171	28 29		Pollux.	*	112 35 22,7
	ζ } Geminorum.		119 33 9		β Leonis.	174	9 21		Regulus.	*	148 50 32,1
	1 α } Cancri.		130 38 53		1st L.	175	7 26		ξ } Leonis.		150 46 25
	10 } Cancri.		130 54 30,7		α Aquilæ.	294	43 15,7		γ } Leonis.		151 37 31,2
	20 } Cancri.		130 59 17		α Cygni.	308	16 54,5		μ Hydræ.		153 34 54
	β } Scorpii.		237 49 37,1	13	1 } Virginis.	179	24 39		ρ Leonis.		154 59 25
	2 ω } Scorpii.		238 17 22		γ } Virginis.	181	51 54		37 } Leonis.		156 14 9
	45 } Serpenti.		239 0 14,5		1st L.	187	20 8		l } Leonis.		159 6 31
	46 } Serpenti.		239 7 33		↓ } Virginis.	189	10 45		c } Leonis.		162 1 39
	ν Scorpii.		239 28 3		δ } Virginis.	190	25 52		b } Leonis.		162 19 23
	1st L.		241 9 59		Jupiter.	191	55 37		g } Leonis.		162 47 9
	↓ } Ophiuchi.		242 28 7		g } Virginis.	193	47 39		x } Leonis.		163 6 42
	g } Ophiuchi.		242 45 14		Spica } Virginis.	194	20 34		65 } Leonis.		163 37 9
	x } Ophiuchi.		243 13 59		α Aquilæ.	198	6 1		s } Leonis.		165 21 30
	Antares.	*	243 37 36,4		α Cygni.	308	16 54,9		n } Leonis.		165 46 30
	22 Scorpii.		243 51 38	14	Syrius.	98	35 59,9		75 } Leonis min.		166 11 15
	φ } Ophiuchi.		244 18 22		Castor.	109	44 58,4		76 } Leonis.		166 36 15
	ω } Ophiuchi.		244 25 52		Procyon.	111	37 52,2		σ } Leonis.		167 8 30
	α Lyræ.	*	277 10 14,5		Pollux.	112	35 26,3		i } Leonis.		167 48 11
22	Aldebaran.	*	65 29 8,9		m } Leonis.	158	18 53		80 } Leonis.		168 19 39
23	Procyon.	*	111 37 56,8		l } Leonis.	159	6 27		83 } Leonis.		168 36 23
24	Syrius.	*	98 36 5		d } Leonis.	161	59 41,3		τ } Leonis.		168 51 8
	Procyon.	*	111 37 56,6		g } Leonis.	162	47 11		c } Leonis.		169 28 8
	Pollux.	*	112 35 31,1		x } Leonis.	163	6 41		88 } Leonis.		169 47 23
26	Castor.	*	109 45 3,3		s } Leonis.	165	21 33		89 } Leonis.		170 28 30
	Procyon.	*	111 37 56,2		75 } Leonis.	166	11 18		ν } Virginis.		171 7 15
	Pollux.	*	112 35 30,7		76 } Leonis.	166	36 18		ω Virginis.		171 28 22
30	Syrius.	*	98 36 3,5		σ } Leonis.	167	8 33		α Aquilæ.	*	294 43 23,2
APRIL.					i } Leonis.	167	48 18		α Cygni.	*	308 17 3,5
2	Capella.	*	74 40 33,8		80 } Leonis.	168	19 48	30	Regulus.	*	148 50 31,8
	1 α } Cancri.		130 38 55		τ } Leonis.	168	51 10		γ Leonis.	*	151 37 29,1
	10 } Cancri.		130 54 21		e } Leonis.	169	28 10		α Aquilæ.	*	294 43 23,6
	20 } Cancri.		130 59 6		89 } Leonis.	170	28 29		α Cygni.	*	308 17 4,1
	2 α } Cancri.		131 16 59		ν } Virginis.	171	7 18		MAY.		
	κ } Cancri.		133 37 51		1 ξ } Virginis.	173	10 51	3	Regulus.	*	148 50 31,3
	π } Cancri.		134 43 55		2 ξ } Virginis.	173	20 2		β } Virginis.		174 30 14,5
6	Regulus.	*	148 50 35,9		β Leonis.	174	9 21		η } Virginis.		181 51 52
					γ } Virg.	174	30 10		γ } Virginis.		187 20 6,5
9	1 α } Cancri.		130 38 51		Spica } Virg.	198	6 1,1		Spica }	*	198 6 1,9
	2 α }		131 17 0		1st L.	203	39 23		Arcturus.	*	211 8 34,2
	1st L.		134 26 25		2d L.	204	14 0	5	Syrius.	*	98 35 55,3
10	Castor.	*	109 44 59,4	21	Syrius.	98	35 58,2		β Virginis.	*	174 30 19,5
	Procyon.	*	111 37 53		Procyon.	111	37 50,6	7	1st L.	*	142 12 50
	Pollux.	*	112 35 27,2	22	Procyon.	111	37 50,4		Regulus.	*	148 50 30,6

In the YEAR MDCC LVI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
M A Y.		M A Y.		J U N E.	
8 <i>Capella.</i> *	74 40 27,4	21 <i>Syrus.</i> *	98 35 53,3	18 δ 2d L.	356 30 46
δ 1st L.	155 19 38	<i>Pollux.</i> *	112 35 18,8	19 <i>Spica Virginis.</i> *	198 5 57,2
β <i>Virginis.</i>	174 30 5	δ 2d L.	348 15 32	<i>Arcturus.</i> *	211 8 30,4
10 <i>Regulus.</i> *	148 50 30	22 <i>Capella.</i> *	74 40 27,6	δ 2d L.	8 51 37
η <i>Virginis.</i>	181 51 55	α <i>Orionis.</i> *	85 29 26,5	20 δ 2d L.	20 54 35
δ 1st L.	182 9 20	<i>Syrus.</i> *	98 35 53,2	<i>Capella.</i> *	74 40 31,3
α <i>Aquilæ.</i> *	294 43 27,8	<i>Procyon.</i> *	111 37 45,5	21 <i>Spica Virginis.</i> *	198 5 56,7
11 α <i>Orionis.</i> *	85 29 27	<i>Pollux.</i> *	112 35 18,7	<i>Arcturus.</i> *	211 8 29,8
δ 1st L.	196 9 57	β <i>Leonis.</i>	174 9 30	α <i>Libræ.</i>	219 21 54,5
<i>Spica Virginis.</i> *	198 6 1,8	β <i>Virginis.</i>	174 30 10	γ } <i>Aquilæ.</i> *	293 40 27,7
12 δ 1st L.	210 46 48	26 <i>Spica Virginis.</i> *	198 6 0,4	α }	294 43 41,1
13 β } <i>Virg.</i> *	174 30 6,9	27 <i>Spica Virginis.</i> *	198 6 0,3	β }	295 50 28,6
<i>Arcturus.</i> *	198 6 1,6	29 <i>Capella.</i> *	74 40 27,6	δ 2d L.	32 51 33,6
α } <i>Libræ.</i>	219 21 56,2	<i>Regulus.</i> *	148 50 25,9	<i>Capella.</i> *	74 40 30,7
δ }	222 0 7,2	<i>Arcturus.</i> *	211 8 33	<i>Rigel.</i> *	75 42 16
γ <i>Scorpii.</i>	222 28 22,2	30 <i>Capella.</i> *	74 40 27,8	α <i>Orionis.</i> *	85 29 27,9
δ 1st L.	226 5 35	<i>Syrus.</i> *	98 35 52,1	22 <i>Syrus.</i> *	98 35 52
15 <i>Pollux.</i> *	112 35 19,7	31 <i>Capella.</i> *	74 40 28	<i>Spica Virginis.</i> *	198 5 56,5
η } <i>Virg.</i> *	181 51 51,8	<i>Syrus.</i> *	98 35 52,1	<i>Arcturus.</i> *	211 8 29,7
<i>Spica</i> }	198 6 1,5	δ 1st L.	98 52 4	α <i>Libræ.</i>	219 21 54,7
δ 2d L.	259 6 47,8	<i>Regulus.</i> *	148 50 25,5	δ 2d L.	44 52 47,4
16 <i>Capella.</i> *	74 40 27,4	<i>Arcturus.</i> *	211 8 32,8	<i>Capella.</i> *	74 40 32,8
<i>Rigel.</i> *	75 42 13,1	J U N E.		<i>Rigel.</i> *	75 42 16,2
α <i>Orionis.</i> *	85 29 26,3	1 <i>Capella.</i> *	74 40 28,1	23 <i>Syrus.</i> *	98 35 52,1
<i>Syrus.</i> *	98 35 53,8	<i>Syrus.</i> *	98 35 52	<i>Procyon.</i> *	111 37 43,2
<i>Castor.</i> *	109 44 51,6	δ 1st L.	111 52 17,7	<i>Pollux.</i> *	112 35 16,1
<i>Procyon.</i> *	111 37 46,3	<i>Arcturus.</i> *	211 8 32,7	<i>Arcturus.</i> *	211 8 29,5
<i>Pollux.</i> *	112 35 19,6	3 δ 1st L.	137 45 17,5	25 <i>Capella.</i> *	74 40 33,7
<i>Regulus.</i> *	148 50 28,8	<i>Regulus.</i> *	148 50 25	<i>Rigel.</i> *	75 42 16,9
β }	174 30 5	<i>Arcturus.</i> *	211 8 32,5	26 <i>Spica Virginis.</i> *	198 5 55,8
η } <i>Virginis.</i>	181 51 49,5	4 <i>Spica Virginis.</i> *	198 5 59,3	<i>Arcturus.</i> *	211 8 29
γ }	187 20 0,5	5 δ 1st L.	163 28 21	<i>Antares.</i> *	243 37 59,2
δ }	190 25 40	<i>Arcturus.</i> *	211 8 32,3	<i>Capella.</i> *	74 40 34
<i>Spica</i> }	198 6 1,5	6 <i>Syrus.</i> *	98 35 51,8	<i>Rigel.</i> *	75 42 17,1
<i>Arcturus.</i> *	211 8 34	δ 1st L.	176 29 24	27 <i>Syrus.</i> *	98 35 52,4
α }	219 21 55	<i>Arcturus.</i> *	211 8 32,1	<i>Procyon.</i> *	111 37 43,2
δ } <i>Libræ.</i>	222 0 1,5	8 <i>Spica Virginis.</i> *	198 5 58,8	<i>Spica Virginis.</i> *	198 5 55,5
γ }	230 29 16	δ 1st L.	203 41 41,8	2 γ <i>Sagittarii.</i>	267 33 2,3
δ } <i>Scorpii.</i>	236 29 45,5	<i>Arcturus.</i> *	211 8 32	<i>Syrus.</i> *	98 35 52,6
β }	237 49 53	10 α } <i>Libræ.</i>	219 21 53,7	4 δ 1st L.	185 7 26
<i>Antares.</i> *	243 37 56	γ }	230 29 18,9	<i>Spica Virginis.</i> *	198 5 54
ϕ } <i>Ophiuchi.</i>	244 18 39	δ 1st L.	233 39 44	<i>Arcturus.</i> *	211 8 27,4
ω }	244 26 15	16 <i>Spica Virginis.</i> *	198 5 57,6	<i>Capella.</i> *	74 40 35,5
τ <i>Scorpii.</i>	245 11 34	<i>Arcturus.</i> *	211 8 30,8	<i>Rigel.</i> *	75 42 21,4
δ 2d L.	275 36 43	<i>Capella.</i> *	74 40 31,2	5 δ 1st L.	198 22 4
α <i>Lyræ.</i> *	277 10 40,8	17 <i>Spica Virginis.</i> *	198 5 57,5	<i>Arcturus.</i> *	211 8 27,2
17 <i>Capella.</i> *	74 40 27,4	<i>Arcturus.</i> *	211 8 30,7	<i>Antares.</i> *	243 37 58,6
<i>Syrus.</i> *	98 35 53,7	δ 2d L.	343 39 5	6 <i>Arcturus.</i> *	211 8 26,9
<i>Regulus.</i> *	148 50 28,6	<i>Capella.</i> *	74 40 31,3	δ 1st L.	212 8 56,3
δ 2d L.	291 44 0	18 <i>Syrus.</i> *	98 35 51,9	β <i>Scorpii.</i>	237 49 56
α <i>Aquilæ.</i> *	294 43 30,6	<i>Arcturus.</i> *	211 8 30,5	9 δ 1st L.	258 2 59
18 <i>Capella.</i> *	74 40 27,4	10 λ <i>Sagittarii.</i>	273 14 19	10 δ 1st L.	274 35 45
20 <i>Capella.</i> *	74 40 27,4	δ 1st L.	274 35 45		
<i>Rigel.</i> *	75 42 13,1				
α <i>Orionis.</i> *	85 29 26,5				
β <i>Leonis.</i>	174 9 16				
δ 2d L.	335 19 12				
21 <i>Capella.</i> *	74 40 27,5				

In the YEAR MDCC LVI.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
JULY.				JULY.				AUGUST.			
10	<i>α</i> Lyræ.	*	277 10 50,3	28	<i>σ</i>		280 2 28	3	<i>Aldebaran.</i>	*	65 29 25,6
	<i>Capella.</i>	*	74 40 38,7		<i>1 ξ</i>		280 43 12		<i>Syrus.</i>	*	98 35 59,2
	<i>Rigel.</i>	*	75 42 23,9		<i>2 ξ</i>		280 48 4				
	<i>Syrus.</i>	*	98 35 54,3		<i>ζ</i>		281 46 41	4	<i>δ 1st L.</i>		236 6 32
11	<i>α</i> Lyræ.	*	277 10 50,2		<i>ο</i>		282 31 22		<i>b } Sagittarii.</i>		266 14 6
	<i>δ 1st L.</i>		291 9 42		<i>τ</i>		282 55 57		<i>γ } Sagittarii.</i>		267 32 43
	<i>δ 2d L.</i>		291 46 19		<i>π } Sagittarii.</i>		283 49 7		<i>p }</i>		268 17 36
	<i>f Sagittarii.</i>		293 2 15,3		<i>↓</i>		285 9 3		<i>1 S } Ophiuchi.</i>		268 55 13
	<i>γ } Aquilæ.</i>	*	293 40 31,3		<i>d</i>		285 50 48		<i>2 S }</i>		268 57 21
	<i>α } Aquilæ.</i>	*	294 43 44,9		<i>ν</i>		286 56 44		<i>9 }</i>		269 22 10
	<i>ω } Sagittarii.</i>		295 13 30		<i>1 χ</i>		287 36 44		<i>1 μ }</i>		269 48 10
	<i>β } Sagittarii.</i>		295 29 41,5		<i>3 χ</i>		287 41 10		<i>2 μ } Sagittarii.</i>		270 10 32
	<i>a</i>		296 1 23		<i>δ Aquilæ.</i>		288 18 25		<i>16 }</i>		270 11 6
	<i>Aldebaran.</i>	*	65 29 17,2		<i>4 Vulp.</i>		288 42 14		<i>η Serpentis.</i>		272 10 55
	<i>Capella.</i>	*	74 40 39,6		<i>c } Aquilæ.</i>		289 10 42		<i>λ Sagittarii.</i>		273 14 17
	<i>Rigel.</i>	*	75 42 24,2		<i>e }</i>		289 29 3		<i>c Serpentis.</i>		274 15 28
	<i>α Orionis.</i>	*	85 29 32,4		<i>1 h } Sagittarii.</i>		290 18 25,5		<i>α Lyræ.</i>	*	277 10 48,2
	<i>Syrus.</i>	*	98 35 54,4		<i>2 h }</i>		290 28 11,5	5	<i>δ 1st L.</i>		251 21 54
13	<i>δ 2d L.</i>		323 10 49		<i>κ Aquilæ.</i>		290 56 55,5		<i>α Aquilæ.</i>	*	294 43 48
	<i>Capella.</i>	*	74 40 40,1		<i>6. m.</i>		291 17 44,5		<i>Capella.</i>	*	74 40 51,4
14	<i>Capella.</i>	*	74 40 40,6		<i>53 }</i>		291 21 55,5		<i>α Orionis.</i>	*	85 29 39,8
	<i>Rigel.</i>	*	75 42 24,8		<i>1 e } Sagittarii.</i>		291 26 33	6	<i>ε Herculis.</i>		252 44 55,5
	<i>α Orionis.</i>	*	85 29 33		<i>2 e }</i>		292 8 48		<i>η Ophiuchi.</i>		254 6 44,5
	<i>Syrus.</i>	*	98 35 54,8		<i>f }</i>		293 2 10,5		<i>δ Herculis.</i>		256 15 52
15	<i>Arcturus.</i>	*	211 8 25		<i>γ } Aquilæ.</i>	*	293 40 31,8		<i>ρ } Ophiuchi.</i>		256 36 37
19	<i>Antares.</i>	*	243 37 56,8		<i>α } Sagittarii.</i>		294 43 46,4		<i>σ } Ophiuchi.</i>		256 46 22
	<i>α Lyræ.</i>	*	277 10 50,2		<i>β Aquilæ.</i>		295 50 33,8		<i>μ Herculis.</i>		257 5 18
	<i>φ Sagittarii.</i>		277 36 44	29	<i>b }</i>		266 14 12		<i>33 Scorp.</i>		257 33 44
20	<i>Arcturus.</i>	*	211 8 23,8		<i>i }</i>		266 19 16		<i>B Ophiuchi.</i>		257 52 59,5
	<i>Aldebaran.</i>	*	65 29 20,2		<i>a } Sagittarii.</i>		266 59 20		<i>73, 74 Herculis.</i>		258 22 37
21	<i>Antares.</i>	*	243 37 56,5		<i>9 }</i>		267 14 31		<i>e Ophiuchi.</i>		259 8 52
	<i>1 μ }</i>		269 48 18		<i>γ } Herculis.</i>		267 32 46		<i>78 Herculis.</i>		260 34 22
	<i>2 μ }</i>		270 10 33		<i>97 Herculis.</i>		268 5 16		<i>ξ Serpentis.</i>		260 55 0
	<i>16 } Sagittarii.</i>		270 11 7		<i>1 μ }</i>		269 48 17		<i>D Ophiuchi.</i>		262 12 52
	<i>δ }</i>		271 21 14,5		<i>16 }</i>		270 10 38		<i>p Sagittarii.</i>		263 3 56
	<i>λ }</i>		273 14 27		<i>17 }</i>		270 11 8		<i>84 Herculis.</i>		263 20 56
	<i>α Lyræ.</i>	*	277 10 49,8		<i>δ } Sagittarii.</i>		270 31 27		<i>γ } Ophiuchi.</i>		263 55 37
22	<i>Capella.</i>	*	74 40 44,4		<i>ε }</i>		271 21 16		<i>63 }</i>		264 57 52
	<i>Syrus.</i>	*	98 35 56,5		<i>21 }</i>		272 0 17		<i>δ 1st L.</i>		267 13 3
23	<i>Syrus.</i>	*	98 35 56,7		<i>21 }</i>		272 42 53		<i>δ }</i>		271 21 21,5
24	<i>Arcturus.</i>	*	211 8 22,9		<i>λ }</i>		273 14 17		<i>ε } Sagittarii.</i>		272 0 21,5
25	<i>α Lyræ.</i>	*	277 10 49,4		<i>25 }</i>		274 35 30		<i>21 }</i>		272 42 59,5
26	<i>α Orionis.</i>	*	85 29 36,7		<i>α Lyræ.</i>	*	277 10 48,9		<i>λ }</i>		273 14 22
	<i>Procyon.</i>	*	111 37 46,9		<i>φ Sagittarii.</i>		277 36 45		<i>c Serpentis.</i>		274 15 33
27	<i>Arcturus.</i>	*	211 8 22,3		<i>γ } Aquilæ.</i>	*	293 40 32,4		<i>m Aquilæ.</i>		275 29 37
	<i>Antares.</i>	*	243 37 55,6		<i>α } Cygni.</i>	*	294 43 46,9		<i>26 Sagittarii.</i>		276 45 14,5
	<i>Aldebaran.</i>	*	65 29 23,1				308 17 35,3		<i>α Lyræ.</i>	*	277 10 47,7
	<i>Syrus.</i>	*	98 35 57,7	31	<i>Aldebaran.</i>	*	65 29 23,7		<i>φ }</i>		277 36 40,7
	<i>Procyon.</i>	*	111 37 47,1		<i>Capella.</i>	*	74 40 47,7		<i>31 }</i>		279 22 52
28	<i>α Lyræ.</i>	*	277 10 49,1						<i>σ }</i>		280 2 37
	<i>φ }</i>		277 36 41,8						<i>ζ }</i>		281 46 45
	<i>28 } Sagittarii.</i>		277 54 58						<i>ο }</i>		282 31 26
	<i>29 }</i>		278 48 23						<i>τ }</i>		282 56 0
	<i>30 }</i>		279 3 15						<i>π }</i>		283 49 15
	<i>31 }</i>		279 22 42						<i>↓ }</i>		285 9 7
									<i>β Cygni.</i>		290 14 0
									<i>6. m.</i>		290 14 30
									<i>9 Vulp.</i>		290 58 46
									<i>1 e } Sagittarii.</i>		291 41 37
									<i>2 e }</i>		292 8 52
									<i>β Sagittæ.</i>		292 32 0
									<i>f Sagittarii.</i>		293 2 15
									<i>γ Aquilæ.</i>		293 40 33,3
									<i>δ Sagittæ.</i>		294 8 11
									<i>α Aquilæ.</i>	*	294 43 47,6
									<i>β Sagittarii.</i>		295 29 52
									<i>β Aquilæ.</i>		295 50 34,9

In the YEAR MDCC LVI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
AUGUST.		AUGUST.		AUGUST.	
	° ' "		° ' "		° ' "
6 Aldebaran. *	65 29 26,9	13 Rigel. *	75 42 32,5	25 1 ξ } *	280 43 8
Capella. *	74 40 52	α Orionis. *	85 29 42	2 ξ } *	280 48 2
Rigel. *	75 42 29,6	Syrus. *	98 36 2,6	ζ } Sagittarii.	281 46 38
α Orionis. *	85 29 40,2			ο } *	282 31 17
7 Arcturus. *	211 8 18,9	14 γ } *	293 40 32,2	τ } *	282 55 53
8 α } Lyræ. *	277 10 47,3	α } Aquilæ. *	294 43 46,6	π } *	283 49 8
ε } Lyræ. *	279 4 36	β } 2d L. *	295 50 33,9	19 Aquilæ. *	284 16 8
5 } Lyræ. *	279 5 6	δ 2d L. *	23 29 30,2	↓ } Sagittarii.	285 9 1
1 γ Sagittarii. *	279 52 6	Aldebaran. *	65 29 30,7	d } Sagittarii.	285 50 46
6. m. *	280 5 58,5	Capella. *	74 40 56,8	h. m. *	286 18 8
k } Aquilæ. *	281 0 28,5	Rigel. *	75 42 32,9	v } Sagittarii.	286 56 38
i } Sagittarii. *	282 10 21	α Orionis. *	85 29 42,4	1 x } Sagittarii.	287 36 38
o } Sagittarii. *	282 31 22			3 x } Sagittarii.	287 41 12
9 γ } *	293 40 32,1	15 γ } Aquilæ. *	293 40 32,2	δ Aquilæ. *	288 18 31
α } Aquilæ. *	294 43 46,4	α } 2d L. *	294 43 46,5	1 e } Sagittarii.	291 41 31
β } *	295 50 33,7	δ 2d L. *	35 48 42,5	2 e } Sagittarii.	292 8 42
α Cygni. *	308 17 35,9	19 Arcturus. *	211 8 17	β Sagittæ. *	292 32 1
Saturn. *	308 52 50			f Sagittarii. *	293 2 16
ω Capricorni. *	309 18 46	20 α Lyræ. *	277 10 44,8	γ } Aquilæ. *	293 40 31,5
μ Aquarii. *	309 52 40	φ } Sagittarii. *	277 36 34	α } Aquilæ. *	294 43 45,8
19 } *	310 15 10	1 v } Sagittarii. *	279 52 4	6. m. *	294 54 38
η } Capricorni. *	312 37 46	σ } *	280 2 34	β Aquilæ. *	295 50 33,2
θ } Capricorni. *	313 3 31	k Aquilæ. *	281 0 29		
1 x } *	313 38 46	2 δ Lyræ. *	281 30 18	26 α Lyræ. *	277 10 43,4
3 x } *	313 54 1	i Aquilæ. *	282 10 18	φ } *	277 36 41
v Aquarii. *	314 4 46	↓ } Sagittarii. *	285 9 4	29 } *	278 48 19
δ 1st L. *	315 3 40	d } Sagittarii. *	285 50 44	30 } *	279 3 11
		1 p } *	286 53 10	31 } *	279 22 52
		2 p } *	286 54 40	1 v } *	279 51 56
		δ } Aquilæ. *	288 18 32	σ } *	280 2 26
		v } *	288 31 6	1 ξ } *	280 43 11
		3 Cygni. *	288 50 40	2 ξ } *	280 48 5
		c } Aquilæ. *	289 10 44	ζ } Sagittarii.	281 46 41
		e } *	289 29 3	ο } *	282 31 22
		1 h } *	290 18 25	τ } *	282 56 0
		2 h } *	290 28 10	5. m. *	283 29 34
		53 } Sagittarii. *	291 17 51	π } *	283 49 15
		1 e } *	291 21 59	↓ } *	285 9 4
		2 e } *	291 41 33	d } *	285 50 49
		Aldebaran. *	292 8 48	1 p } *	286 53 15
		Capella. *	65 29 33,4	2 p } *	286 54 41
		Capella. *	74 41 0,4	1 x } *	287 36 45
		Rigel. *	75 42 35,4	3 x } *	287 41 11
		β Tauri. *	77 43 39,6	3 Vulp. *	288 13 34
		α Orionis. *	85 29 45,9	2 } Cygni. *	288 38 20
		δ 2d L. *	98 48 55,3	4 } *	289 21 19
				β } *	290 13 56
				6. m. *	290 14 26
				9 Vulp. *	290 58 41
				1 e } Sagittarii. *	291 41 34
				2 e } *	292 8 50
				θ Cygni. *	292 29 11
				f Sagittarii. *	293 2 15
				γ } Aquilæ. *	293 40 31,4
				α } *	294 43 45,7
				ω } Sagittarii. *	295 13 35
				β } *	295 29 53
				2 } *	296 1 27
				↓ Capricorni. *	307 54 49
				α Cygni. *	308 17 35,1
				ε Aquarii. *	308 37 26
				ω Capricorni. *	309 18 50
				μ Aquarii. *	309 52 49
				Aldebaran. *	65 29 36,2
				Capella. *	74 41 4,3
				Rigel. *	75 42 37,9
				α Orionis. *	85 29 48,5
				Syrus. *	98 36 7,1
				Procyon. *	111 37 54,6

In the YEAR MDCC LVI.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
AUGUST.				AUGUST.				SEPTEMBER.			
27	Aldebaran.	*	65 29 37	31	2 h Sagittarii.	290	28 13	5	1st L.	308	28 41
	Capella.	*	74 41 5		Aquila.	291	1 58				
	Rigel.	*	75 42 38,6		1 e } Sagittarii.	291	41 35	6	γ } Aquila.	293	40 29,7
	β Tauri.	*	77 43 43,2		2 e } Sagittarii.	292	8 50		α } Aquila.	294	43 43,7
	γ } Orionis.		78 1 11,1		f } Sagittarii.	293	2 13		β } Aquila.	295	50 31,6
	δ } Orionis.		79 53 30		γ } Aquila.	293	40 30,6		1st L.	323	22 7
	ε } Orionis.		80 57 56		π } Aquila.	294	18 35		Capella.	74	41 11,5
	ζ } Orionis.	*	82 7 7		ω } Sagittarii.	294	43 44,5		Rigel.	75	42 43,1
	α } Orionis.	*	85 29 49,1		β } Sagittarii.	295	11 5		β Tauri.	77	43 49
	Syrius.	*	98 36 7,7		a } Sagittarii.	295	29 51		γ } Orionis.	78	1 10,6
	Castor.	*	109 45 3,2		c } Sagittarii.	296	1 27		α } Orionis.	85	29 53,7
28	1st L.		190 10 53,3		65 } Sagittarii.	296	54 57		Procyon.	111	37 59,5
	α Lyræ.	*	277 10 42,2		64 } Sagittarii.	297	54 36				
	k } Aquilæ.	*	281 0 30		9 } Aquila.	298	52 1				
	γ } Aquilæ.	*	293 40 31		66 } Capricorni.	299	41 12				
	α } Orionis.	*	294 43 44,9		2 α } Capricorni.	300	24 57				
	β } Orionis.	*	295 50 32,9		σ } Capricorni.	301	8 4				
29	d } Sagittarii.		285 50 46		Aldebaran.	301	19 57				
	i } Sagittarii.		286 53 12		Capella.	65	29 38,7				
	2 } Sagittarii.		286 54 35		Rigel.	74	41 7,4				
	50 } Sagittarii.		287 56 50		β Tauri.	75	42 40,2				
	γ } Aquilæ.	*	293 40 30,9		γ } Orionis.	77	43 45,3				
	α } Orionis.	*	294 43 44,8		α } Orionis.	78	1 13,4				
	β } Orionis.	*	295 29 43		Syrius.	85	29 50,7				
	a } Sagittarii.		296 1 29			98	36 9,3				
	c } Sagittarii.		296 54 59								
	ξ } Sagittarii.		299 42 58								
	1 α } Capricorni.		301 2 13								
	2 α } Capricorni.		301 8 5								
	σ } Capricorni.		301 19 58								
	6.m } Orionis.		301 46 20								
	β } Orionis.		301 49 50								
	α Orionis.	*	85 29 49,9								
30	1 e } Sagittarii.		291 41 33								
	2 e } Sagittarii.		292 8 45								
	f } Sagittarii.		293 2 10								
	γ } Aquilæ.	*	293 40 30,7								
	α } Orionis.	*	294 43 44,6								
	ω } Sagittarii.		295 13 30								
	β } Sagittarii.		295 29 45,3								
	a } Sagittarii.		296 1 25								
	Aldebaran.	*	65 29 38,3								
	Capella.	*	74 41 6,8								
	Rigel.	*	75 42 39,8								
31	1st L.		231 37 19								
	α Lyræ.	*	277 10 41,3								
	φ } Sagittarii.		277 36 36								
	29 } Sagittarii.		278 48 20								
	30 } Sagittarii.		279 3 6								
	1 v } Sagittarii.		279 52 5								
	σ } Sagittarii.		280 2 28								
	1 ξ } Sagittarii.		280 43 7								
	2 ξ } Sagittarii.		280 48 6								
	ζ } Sagittarii.		281 46 43								
	ο } Sagittarii.		282 31 20								
	τ } Sagittarii.		282 55 58								
	π } Sagittarii.		283 49 13								
	ψ } Sagittarii.		285 8 58								
	d } Sagittarii.		285 50 50								
	1 ρ } Sagittarii.		286 53 13								
	2 ρ } Sagittarii.		286 54 36								
	1 χ } Sagittarii.		287 36 43								
	3 χ } Sagittarii.		287 41 17								
	3 Sagittæ.		288 27 28								
	1 h Sagittarii.		290 18 35								

In the YEAR M DCC LVI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
SEPTEMBER.		OCTOBER.		NOVEMBER.	
	° ' "		° ' "		° ' "
14 γ } <i>Aquilæ.</i> *	293 40 28,4	29 α <i>Lyræ.</i> *	277 10 21	25 α <i>Aquilæ.</i> *	294 43 27,4
α } *	294 43 42,4	α <i>Aquilæ.</i> *	294 43 32,2	26 <i>Arcturus.</i> *	211 8 19
β } *	295 50 30,3	δ 1st L. *	298 56 33,3	27 α <i>Aquilæ.</i> *	294 43 27
δ 2d L. *	67 52 1,9	τ <i>Capricorni.</i> *	306 24 34,8	δ 1st L. *	323 40 14
15 α <i>Aquilæ.</i> *	294 43 42,1	α <i>Cygni.</i> *	308 17 15,3	<i>Spica Virginis.</i> *	198 5 55,6
<i>Rigel.</i> *	75 42 44,6	α <i>Orionis.</i> *	85 30 17	<i>Arcturus.</i> *	211 8 19,4
δ 2d L. *	80 35 46,1	<i>Syrius.</i> *	98 36 35,1	28 α <i>Lyræ.</i> *	277 10 14,1
α <i>Orionis.</i> *	85 29 59,8	<i>Castor.</i> *	109 45 36,6	α <i>Cygni.</i> *	308 17 3,8
16 α <i>Lyræ.</i> *	277 10 36,1	<i>Procyon.</i> *	111 38 22,6	δ 1st L. *	337 41 4,8
24 β <i>Aquarii.</i> *	99 21	<i>Pollux.</i> *	112 36 1,1	29 <i>Arcturus.</i> *	211 8 19,2
28 <i>Arcturus.</i> *	211 8 11,1	30 α <i>Lyræ.</i> *	277 10 21	DECEMBER.	
δ 1st L. *	241 48 38,6	α <i>Aquilæ.</i> *	294 43 32	1 α <i>Lyræ.</i> *	277 10 13,8
α <i>Lyræ.</i> *	277 10 29,7	δ <i>Capricorni.</i> *	312 37 44,6	α <i>Aquilæ.</i> *	294 43 26,2
α <i>Aquilæ.</i> *	294 43 29,1	δ 1st L. *	313 54 21,6	3 δ 1st L. *	40 29 36
α <i>Cygni.</i> *	308 17 32	NOVEMBER.		8 δ 2d L. *	104 36 36
30 <i>Procyon.</i> *	111 38 9,2	1 α <i>Cygni.</i> *	308 17 14,6	<i>Arcturus.</i> *	211 8 21,6
OCTOBER.		δ 1st L. *	341 44 6,3	13 α <i>Lyræ.</i> *	277 10 12,1
1 α <i>Lyræ.</i> *	277 10 28,8	<i>Castor.</i> *	109 45 38,2	α <i>Aquilæ.</i> *	294 43 24,6
δ 1st L. *	288 12 48,4	<i>Procyon.</i> *	111 38 24	α <i>Cygni.</i> *	308 16 58,9
α <i>Aquilæ.</i> *	294 43 28,5	<i>Pollux.</i> *	112 36 2,6	<i>Aldebaran.</i> *	65 30 10,5
2 <i>Arcturus.</i> *	211 8 11,5	3 δ 1st L. *	7 24 19,6	<i>Capella.</i> *	74 41 55,1
α <i>Lyræ.</i> *	277 10 28,5	4 δ 1st L. *	19 49 59	<i>Rigel.</i> *	75 43 11,4
α <i>Aquilæ.</i> *	294 43 28,3	5 δ 1st L. *	32 11 38	α <i>Orionis.</i> *	85 30 28,5
δ 1st L. *	303 26 44,3	6 α <i>Lyræ.</i> *	277 10 19,1	<i>Syrius.</i> *	98 36 49
3 α <i>Lyræ.</i> *	277 10 28,2	α <i>Aquilæ.</i> *	294 43 30,7	<i>Castor.</i> *	109 45 56,3
α <i>Aquilæ.</i> *	294 43 28,1	δ 1st L. *	44 36 42	<i>Procyon.</i> *	111 38 39,5
δ 1st L. *	318 11 7,7	<i>Arcturus.</i> *	211 8 12	<i>Pollux.</i> *	112 36 20,7
<i>Procyon.</i> *	111 39 0	7 δ 1st L. *	57 9 52	δ 2d L. *	167 43 11
4 δ 1st L. *	332 20 48,2	δ 2d L. *	57 25 34	14 <i>Aldebaran.</i> *	65 30 11
<i>Procyon.</i> *	111 38 11	<i>Aldebaran.</i> *	65 30 5,8	δ 2d L. *	180 15 20
<i>Pollux.</i> *	112 35 47	α <i>Orionis.</i> *	85 30 20,9	15 α <i>Lyræ.</i> *	277 10 12
5 δ 1st L. *	345 56 21	8 α <i>Lyræ.</i> *	277 10 18	16 α <i>Lyræ.</i> *	277 10 12
α <i>Orionis.</i> *	85 30 6	α <i>Aquilæ.</i> *	294 43 30,1	α <i>Aquilæ.</i> *	294 43 24,1
<i>Procyon.</i> *	111 38 11	<i>Aldebaran.</i> *	65 30 6,1	α <i>Cygni.</i> *	308 16 58
7 δ <i>Andromedæ.</i> *	6 36 2,8	δ 2d L. *	70 24 1	<i>Aldebaran.</i> *	65 30 11,2
δ 1st L. *	11 50 57,6	α <i>Orionis.</i> *	85 30 21,3	<i>Capella.</i> *	74 41 56,3
<i>Procyon.</i> *	111 38 12,6	9 α <i>Aquilæ.</i> *	294 43 30	<i>Rigel.</i> *	75 43 12,3
8 α <i>Lyræ.</i> *	277 10 26,1	10 α <i>Lyræ.</i> *	277 10 17,5	α <i>Orionis.</i> *	85 30 29,5
α <i>Aquilæ.</i> *	294 43 26,8	α <i>Aquilæ.</i> *	294 43 29,7	<i>Syrius.</i> *	98 36 55,5
α <i>Cygni.</i> *	308 17 28,4	α <i>Orionis.</i> *	85 30 22	<i>Castor.</i> *	109 45 57,8
9 δ 2d L. *	37 27 35	δ 2d L. *	96 10 6	<i>Procyon.</i> *	111 38 40,8
10 <i>Arcturus.</i> *	211 8 11	11 α <i>Lyræ.</i> *	277 10 17,3	<i>Pollux.</i> *	112 36 22,2
11 δ 2d L. *	62 36 32	α <i>Aquilæ.</i> *	294 43 29,5	δ 2d L. *	206 28 6
12 <i>Arcturus.</i> *	211 8 11	α <i>Orionis.</i> *	85 30 22,3	19 α <i>Aquilæ.</i> *	294 43 24,1
α <i>Lyræ.</i> *	277 10 24,7	δ 2d L. *	109 5 13	<i>Aldebaran.</i> *	65 30 11,2
α <i>Cygni.</i> *	308 17 27,5	15 δ 2d L. *	160 2 47	<i>Capella.</i> *	74 41 56,5
δ 2d L. *	75 20 46	16 <i>Regulus.</i> *	148 50 48,8	<i>Rigel.</i> *	75 43 12,5
13 α <i>Cygni.</i> *	308 17 27,2	24 α <i>Lyræ.</i> *	277 10 17	α <i>Orionis.</i> *	85 30 29,8
16 <i>Pollux.</i> *	112 35 54	α <i>Aquilæ.</i> *	294 43 27,6	<i>Arcturus.</i> *	211 8 25,6
δ 2d L. *	127 1 10	<i>Regulus.</i> *	148 50 53,1	22 <i>Arcturus.</i> *	211 8 26,8
		<i>Arcturus.</i> *	211 8 20	23 α <i>Aquilæ.</i> *	294 43 24,1
		25 α <i>Lyræ.</i> *	277 10 16,2	α <i>Cygni.</i> *	308 16 56,6
				<i>Aldebaran.</i> *	65 30 11,2

In the YEAR MDCC LVI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
DECEMBER.		DECEMBER.		DECEMBER.	
	° ' "		° ' "		° ' "
23 <i>Capella.</i> *	74 41 56,7	30 <i>1st L.</i> *	36 41 52	30 <i>Rigel.</i> *	75 43 13,2
<i>Rigel.</i> *	75 43 12,7	<i>Aldebaran.</i> *	65 30 11,2	<i>α Orionis.</i> *	85 30 30,3
		<i>Capella.</i> *	74 41 56,7		

In the YEAR MDCC LVII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		JANUARY.		FEBRUARY.	
	° ' "		° ' "		° ' "
2 <i>α Aquilæ.</i> *	294 43 24,1	19 <i>Aldebaran.</i> *	65 30 8,4	1 <i>Aldebaran.</i> *	65 30 6
<i>α Cygni.</i> *	308 16 55,4	<i>Capella.</i> *	74 41 54,2	<i>Capella.</i> *	74 41 51,1
<i>Aldebaran.</i> *	65 30 11,2	<i>Rigel.</i> *	75 43 10,7	<i>Rigel.</i> *	75 43 8,5
<i>1st L.</i> *	73 59 26	<i>α Lyrae.</i> *	277 10 16	<i>α Orionis.</i> *	85 30 28,9
<i>Rigel.</i> *	75 43 12,9			<i>1st L.</i> *	108 17 27
<i>α Orionis.</i> *	85 30 31	20 <i>Aldebaran.</i> *	65 30 8,3	3 <i>Aldebaran.</i> *	65 30 5,6
<i>Castor.</i> *	109 46 2,3	<i>Capella.</i> *	74 41 54	<i>Rigel.</i> *	75 43 8,1
<i>Procyon.</i> *	111 38 44,8	<i>Rigel.</i> *	75 43 10,6	<i>α Orionis.</i> *	85 30 28,6
<i>Pollux.</i> *	112 36 26,8	<i>α Orionis.</i> *	85 30 30,3	<i>1st L.</i> *	134 5 38
<i>α Lyrae.</i> *	277 10 12,8				
3 <i>α Aquilæ.</i> *	294 43 24,1	22 <i>Aldebaran.</i> *	65 30 8,1	6 <i>1st L.</i> *	172 14 30
<i>α Cygni.</i> *	308 16 55,2	<i>Capella.</i> *	74 41 53,6	7 <i>Capella.</i> *	74 41 49,6
<i>Aldebaran.</i> *	65 30 11	<i>Rigel.</i> *	75 43 10,3	<i>Rigel.</i> *	75 43 7,4
<i>Capella.</i> *	74 41 56,9	<i>α Orionis.</i> *	85 30 30,1	<i>Castor.</i> *	109 46 4,2
<i>Rigel.</i> *	75 43 12,9			<i>1st L.</i> *	184 39 9
<i>α Orionis.</i> *	85 30 31	23 <i>Aldebaran.</i> *	65 30 7,8	8 <i>α Lyrae.</i> *	277 10 22,3
<i>1st L.</i> *	86 48 54	<i>Capella.</i> *	74 41 53,4	9 <i>Aldebaran.</i> *	65 30 4,5
<i>Syrus.</i> *	98 36 52,3	<i>Rigel.</i> *	75 43 10,3	<i>Capella.</i> *	74 41 49,1
5 <i>Aldebaran.</i> *	65 30 10,7	25 <i>1st L.</i> *	19 44 47	<i>Rigel.</i> *	75 43 7,1
<i>Capella.</i> *	74 41 57,0	<i>Aldebaran.</i> *	65 30 7,5	<i>α Orionis.</i> *	85 30 27,8
<i>Rigel.</i> *	75 43 13	<i>Capella.</i> *	74 41 53		
<i>α Orionis.</i> *	85 30 31	<i>Rigel.</i> *	75 43 10	11 <i>α Lyrae.</i> *	277 10 23,4
<i>Castor.</i> *	109 46 3	<i>α Orionis.</i> *	85 30 29,8	12 <i>Capella.</i> *	74 41 48,3
<i>Procyon.</i> *	111 38 45	<i>α Lyrae.</i> *	277 10 17,6	<i>Rigel.</i> *	75 43 6,5
<i>1st L.</i> *	113 17 14			<i>α Orionis.</i> *	85 30 27,3
6 <i>α Lyrae.</i> *	277 10 13,8	26 <i>Aldebaran.</i> *	65 30 7,3	<i>Syrus.</i> *	98 36 50,2
7 <i>α Aquilæ.</i> *	294 43 24,7	<i>Capella.</i> *	74 41 52,8	<i>Castor.</i> *	109 46 4
<i>Aldebaran.</i> *	65 30 10	<i>Rigel.</i> *	75 43 9,8	<i>Procyon.</i> *	111 38 46,2
<i>Capella.</i> *	74 41 55,8	<i>α Orionis.</i> *	85 30 29,7	<i>Pollux.</i> *	112 36 29
<i>Rigel.</i> *	75 43 12				
<i>α Orionis.</i> *	85 30 30,8	27 <i>1st L.</i> *	44 40 57,4	13 <i>α Orionis.</i> *	85 30 27,1
<i>1st L.</i> *	138 52 10	<i>Aldebaran.</i> *	65 30 7,1	<i>α Lyrae.</i> *	277 10 24,4
		<i>Capella.</i> *	74 41 52,6		
9 <i>Aldebaran.</i> *	65 30 9,7	<i>Rigel.</i> *	75 43 9,6	18 <i>Castor.</i> *	109 46 3,3
<i>Capella.</i> *	74 41 55,5	<i>α Orionis.</i> *	85 30 29,6	<i>Procyon.</i> *	111 38 45,7
<i>Rigel.</i> *	75 43 11,7	<i>α Lyrae.</i> *	277 10 18,3	<i>Pollux.</i> *	112 36 28,4
<i>α Orionis.</i> *	85 30 30,7			<i>α Lyrae.</i> *	277 10 26,4
16 <i>Aldebaran.</i> *	65 30 8,8	29 <i>Aldebaran.</i> *	65 30 6,8	<i>α Aquilæ.</i> *	294 43 32,8
<i>1st L.</i> *	259 18 22	<i>1st L.</i> *	69 41 16,2	<i>α Cygni.</i> *	308 16 58,3
<i>α Lyrae.</i> *	277 10 15,3	<i>Capella.</i> *	74 41 52,2		
		<i>Rigel.</i> *	75 43 9,3	19 <i>Aldebaran.</i> *	65 30 2,4
		<i>α Orionis.</i> *	85 30 29,3		
		30 <i>1st L.</i> *	82 25 32		

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
F E B R U A R Y.				M A R C H.				M A R C H.			
19	Capella.	*	74 41 46,2	2	Pollux.	*	112 36 27	21	Procyon.	*	111 38 40,7
	Rigel.	*	75 43 5		11 ft L.		129 15 59		Pollux.	*	112 36 23,2
	α Orionis.	*	85 30 26	3	α Lyræ.	*	277 10 30,7	22	Aldebaran.	*	65 29 55
	Syrus.	*	98 36 49		α Aquilæ.	*	294 43 35,8		Capella.	*	74 41 36,3
	α Lyræ.	*	277 10 26,9		α Cygni.	*	308 17 2,9		Rigel.	*	75 42 57,7
20	Aldebaran.	*	65 30 2,2	4	Aldebaran.	*	65 29 59,2		α Orionis.	*	85 30 19,3
	Capella.	*	74 41 45,9		Syrus.	*	98 36 46,3		Castor.	*	109 45 57
	Rigel.	*	75 43 4,8		Castor.	*	109 46 1		Procyon.	*	111 38 40,5
	α Orionis.	*	85 30 25,8		Procyon.	*	111 38 44		Pollux.	*	112 36 23
22	Aldebaran.	*	65 30 1,8		Pollux.	*	112 36 26,6	26	Capella.	*	74 41 35
	Capella.	*	74 41 45,3		11 ft L.	*	154 43 27		Rigel.	*	75 42 56,7
	Rigel.	*	75 43 4,4		α Aquilæ.	*	294 43 38,2		11 ft L.	*	85 10 22
	α Orionis.	*	85 30 25,4		α Cygni.	*	308 17 3,1		Syrus.	*	98 36 40,8
	α Lyræ.	*	277 10 28,1	5	Aldebaran.	*	65 29 59		Procyon.	*	111 38 39,7
	α Aquilæ.	*	294 43 34		α Orionis.	*	85 30 23,1		Pollux.	*	112 36 22
	α Cygni.	*	308 16 59,3		Castor.	*	109 46 0,8	27	11 ft L.	*	98 10 41
23	11 ft L.	*	39 24 1		Procyon.	*	111 38 43,8		Procyon.	*	111 38 39,5
	Capella.	*	74 41 44,8		Pollux.	*	112 36 26,4		Pollux.	*	112 38 21,8
	Rigel.	*	75 43 3,9		11 ft L.	*	167 34 25	28	Aldebaran.	*	65 29 55,2
	α Orionis.	*	85 30 25		α Aquilæ.	*	294 43 38,6		11 ft L.	*	111 8 58
	Syrus.	*	98 36 48		α Cygni.	*	308 17 3,7	29	Aldebaran.	*	65 29 55
	Castor.	*	109 46 2,5	7	Aldebaran.	*	65 29 58,9		α Orionis.	*	85 30 17,6
	Procyon.	*	111 38 45,4		Syrus.	*	98 36 45,8		Syrus.	*	98 36 39,8
	Pollux.	*	112 36 27,9		Procyon.	*	111 38 43,8		Procyon.	*	111 38 39
24	Rigel.	*	75 43 3,8		Pollux.	*	112 36 26,2		Pollux.	*	112 36 21,3
25	11 ft L.	*	64 47 55		11 ft L.	*	193 6 49		11 ft L.	*	124 2 13
	Aldebaran.	*	65 30 1,1		α Cygni.	*	308 17 4,1		Regulus.	*	148 51 21
	Castor.	*	109 46 2,5	10	11 ft L.	*	233 21 13	31	Aldebaran.	*	65 29 53,9
	Procyon.	*	111 38 45,2	11	11 ft L.	*	247 53 39		Capella.	*	74 41 33,5
	Pollux.	*	112 36 27,8	13	α Lyræ.	*	277 10 37,5		Rigel.	*	75 42 55,7
26	α Lyræ.	*	277 10 30,2		11 ft L.	*	278 36 34		α Orionis.	*	85 30 17,2
	α Aquilæ.	*	294 43 35,5	14	α Aquilæ.	*	294 43 41,2	A P R I L.			
	α Cygni.	*	308 17 0,6		Aldebaran.	*	65 29 56,4	1	α Lyræ.	*	277 10 47
27	Aldebaran.	*	65 30 0,6		Capella.	*	74 41 38,6		α Aquilæ.	*	294 43 49,7
	Capella.	*	74 41 43,7		Rigel.	*	75 42 59,4		α Cygni.	*	

In the YEAR MDCC LVII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
A P R I L.		A P R I L.		M A Y.	
	° ' "		° ' "		° ' "
6 <i>Regulus.</i> *	148 51 20	28 <i>Castor.</i> *	109 45 47,8	17 <i>α Orionis.</i> *	85 30 10,4
<i>β 2d L.</i>	228 34 20	<i>Procyon.</i> *	111 38 32,6	<i>Syrus.</i> *	98 36 29,7
7 <i>Syrus.</i> *	98 36 41,4	<i>Pollux.</i> *	112 36 14	<i>α Aquilæ.</i> *	294 44 9
<i>Procyon.</i> *	111 38 37	<i>Regulus.</i> *	148 51 16,3	19 <i>α Orionis.</i> *	85 30 10,3
<i>Pollux.</i> *	112 36 19,1	<i>β 1st L.</i>	156 37 16	<i>Procyon.</i> *	111 38 29,2
8 <i>Castor.</i> *	109 45 52,4	29 <i>α Orionis.</i> *	85 30 12	<i>Arcturus.</i> *	211 9 12,8
<i>Procyon.</i> *	111 38 36,6	<i>Syrus.</i> *	98 36 32,5	20 <i>Spica Virginis.</i> *	198 6 43,7
<i>Pollux.</i> *	112 36 19	<i>Procyon.</i> *	111 38 32,2	<i>Arcturus.</i> *	211 9 12,8
<i>Regulus.</i> *	148 51 19,3	<i>Pollux.</i> *	112 36 13,8	21 <i>Procyon.</i> *	111 38 29
10 <i>Capella.</i> *	74 41 30,5	<i>Regulus.</i> *	148 51 16	22 <i>Spica Virginis.</i> *	198 6 43,7
<i>Castor.</i> *	109 45 51,9	<i>β 1st L.</i>	169 5 12	<i>Arcturus.</i> *	211 9 13
<i>Procyon.</i> *	111 38 36,2	30 <i>Syrus.</i> *	98 36 32,4	25 <i>Spica Virginis.</i> *	198 6 43,2
<i>Pollux.</i> *	112 36 18,5	<i>Castor.</i> *	109 45 47,4	<i>Arcturus.</i> *	211 9 12,6
<i>α Lyræ.</i> *	277 10 51,7	<i>Procyon.</i> *	111 38 32,3	27 <i>Capella.</i> *	74 41 26,6
<i>α Aquilæ.</i> *	294 43 53,3	<i>Pollux.</i> *	112 36 13,7	<i>α Orionis.</i> *	85 30 10
<i>α Cygni.</i> *	308 17 19,6	<i>Regulus.</i> *	148 51 15,9	<i>Syrus.</i> *	98 36 29
12 <i>β 2d L.</i>	320 6 31	<i>β 1st L.</i>	181 40 32,6	<i>Procyon.</i> *	111 38 28,2
13 <i>Rigel.</i> *	75 42 53,5	M A Y.		<i>Pollux.</i> *	112 36 9
<i>α Orionis.</i> *	85 30 14,5	1 <i>Syrus.</i> *	98 36 32,2	<i>Regulus.</i> *	148 51 10,5
<i>Syrus.</i> *	98 36 36,1	<i>Procyon.</i> *	111 38 32,1	<i>Arcturus.</i> *	211 9 12,4
<i>Castor.</i> *	109 45 51,2	<i>Regulus.</i> *	148 51 15,7	<i>Antares.</i> *	243 38 46,7
<i>Procyon.</i> *	111 38 35,6	<i>β 1st L.</i>	194 33 16	29 <i>Spica Virginis.</i> *	198 6 42,8
<i>Pollux.</i> *	112 36 17,8	<i>Spica Virginis.</i> *	198 6 44	<i>β 1st L.</i>	201 28 34
<i>Regulus.</i> *	148 51 18,7	3 <i>Capella.</i> *	74 41 26,7	<i>Arcturus.</i> *	211 9 12,2
15 <i>α Orionis.</i> *	85 30 14	<i>Castor.</i> *	109 45 46,7	<i>α Aquilæ.</i> *	294 44 13,8
<i>Castor.</i> *	109 45 50,8	<i>Pollux.</i> *	112 36 13	<i>α Cygni.</i> *	308 17 45,2
<i>Procyon.</i> *	111 38 35,2	<i>Regulus.</i> *	148 51 15,3	J U N E.	
17 <i>Capella.</i> *	74 41 29	<i>Spica Virginis.</i> *	198 6 44	1 <i>Arcturus.</i> *	211 9 12
<i>Castor.</i> *	109 45 50,4	<i>β 1st L.</i>	222 9 23	<i>Antares.</i> *	243 38 47,5
<i>Procyon.</i> *	111 38 34,8	4 <i>Castor.</i> *	109 45 46,2	<i>β 1st L.</i>	244 31 35
<i>Pollux.</i> *	112 36 17	<i>Procyon.</i> *	111 38 31,5	2 <i>Spica Virginis.</i> *	198 6 42
<i>Regulus.</i> *	148 51 18,2	<i>Regulus.</i> *	148 51 15	<i>Arcturus.</i> *	211 9 11,8
18 <i>Castor.</i> *	109 45 50	<i>Spica Virginis.</i> *	198 6 44	<i>β 2d L.</i>	261 9 52
<i>Pollux.</i> *	112 36 16,6	6 <i>Castor.</i> *	109 45 45,8	3 <i>β 2d L.</i>	277 42 7
<i>Regulus.</i> *	148 51 18	<i>Arcturus.</i> *	211 9 12,8	<i>α Aquilæ.</i> *	294 44 15,2
19 <i>α Orionis.</i> *	85 30 13,4	<i>β 2d L.</i>	268 28 16	4 <i>Arcturus.</i> *	211 9 11,7
<i>Regulus.</i> *	148 51 17,8	7 <i>Procyon.</i> *	111 38 30,8	10 <i>Arcturus.</i> *	211 9 11,4
20 <i>α Orionis.</i> *	85 30 13,2	8 <i>Arcturus.</i> *	211 9 12,6	11 <i>Arcturus.</i> *	211 9 11,3
<i>Castor.</i> *	109 45 49,5	<i>α Aquilæ.</i> *	294 44 5,7	12 <i>Regulus.</i> *	148 51 7,8
<i>Procyon.</i> *	111 38 34,2	<i>β 2d L.</i>	300 25 50	<i>Spica Virginis.</i> *	198 6 40,8
<i>Pollux.</i> *	112 36 15,8	10 <i>Spica Virginis.</i> *	198 6 44	<i>Arcturus.</i> *	211 9 11,2
<i>Regulus.</i> *	148 51 17,7	<i>β 2d L.</i>	330 24 9	<i>Capella.</i> *	74 41 29
25 <i>Regulus.</i> *	148 51 16,8	12 <i>Syrus.</i> *	98 36 30,3	13 <i>Regulus.</i> *	148 51 7,6
26 <i>Aldebaran.</i> *	65 29 51,3	<i>Castor.</i> *	109 45 44,7	<i>Arcturus.</i> *	211 9 11,1
<i>α Orionis.</i> *	85 30 12,2	<i>Procyon.</i> *	111 38 30,2	15 <i>Regulus.</i> *	148 51 7,3
<i>Castor.</i> *	109 45 48,2	<i>Pollux.</i> *	112 36 11,1	<i>Spica Virginis.</i> *	198 6 40,3
<i>Procyon.</i> *	111 38 33	<i>Spica Virginis.</i> *	198 6 44	<i>Arcturus.</i> *	211 9 10,6
<i>Pollux.</i> *	112 36 14,6	<i>Arcturus.</i> *	211 9 12,9	16 <i>Regulus.</i> *	148 51 7,1
<i>β 1st L.</i>	131 33 9	13 <i>Spica Virginis.</i> *	198 6 44	<i>Arcturus.</i> *	211 9 10,4
<i>Regulus.</i> *	148 51 16,7	<i>Arcturus.</i> *	211 9 12,9	<i>Antares.</i> *	243 38 48,6
27 <i>Capella.</i> *	74 41 27,7	14 <i>Procyon.</i> *	111 38 30		
<i>β 1st L.</i>	144 8 38	<i>Regulus.</i> *	148 51 13,1		
<i>Regulus.</i> *	148 51 16,5	<i>Spica Virginis.</i> *	198 6 44		
<i>Spica Virginis.</i> *	198 6 44	<i>Arcturus.</i> *	211 9 12,9		
<i>Arcturus.</i> *	211 9 12,3				

APPARENT RIGHT ASCENSIONS.

In the YEAR MDCC LVII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JUNE.		JULY.		AUGUST.	
	° ' "		° ' "		° ' "
17 <i>Arcturus.</i> *	211 9 10,3	18 <i>Aldebaran.</i> *	65 30 5,6	7 <i>Aldebaran.</i> *	65 30 13
21 <i>Antares.</i> *	243 38 48,5	Capella. *	74 41 41,5	Capella. *	74 41 52
23 <i>1st L.</i>	171 23 51	Rigel. *	75 43 0	Rigel. *	75 43 7,6
24 <i>1st L.</i>	183 29 46	19 <i>Aldebaran.</i> *	65 30 5,9	Syrius. *	98 36 37
<i>Arcturus.</i> *	211 9 9	Capella. *	74 41 42	8 <i>Arcturus.</i> *	211 8 59,3
<i>a Lyræ.</i> *	277 11 17	<i>a Orionis.</i> *	85 30 18,4	<i>a Lyræ.</i> *	277 11 14,8
25 <i>1st L.</i>	195 51 6	Syrius. *	98 36 31,5	Syrius. *	98 36 37
<i>Arcturus.</i> *	211 9 8,8	22 <i>a Lyræ.</i> *	277 11 17,3	9 <i>Arcturus.</i> *	211 8 59,1
<i>Antares.</i> *	243 38 48,2	Syrius. *	98 36 32,6	<i>a Lyræ.</i> *	277 11 14,6
<i>a Aquilæ.</i> *	294 44 21,3	23 <i>a Lyræ.</i> *	277 11 17,2	<i>a Aquilæ.</i> *	294 44 25,2
26 <i>1st L.</i>	208 41 52	<i>a Aquilæ.</i> *	294 44 25,2	<i>a Cygni.</i> *	308 18 3
<i>Arcturus.</i> *	211 9 8,8	24 <i>Arcturus.</i> *	211 9 4,2	10 <i>a Lyræ.</i> *	277 11 14,8
27 <i>Arcturus.</i> *	211 9 8,7	<i>1st L.</i>	216 35 29	<i>a Aquilæ.</i> *	294 44 25
<i>1st L.</i>	222 15 52	<i>Antares.</i> *	243 38 45	<i>a Cygni.</i> *	308 18 3
29 <i>Capella.</i> *	74 41 33,8	25 <i>a Lyræ.</i> *	277 11 16,8	11 <i>a Aquilæ.</i> *	294 44 25
30 <i>Arcturus.</i> *	211 9 8,3	<i>a Aquilæ.</i> *	294 44 25,4	<i>Aldebaran.</i> *	65 30 15
JULY.		26 <i>Arcturus.</i> *	211 9 3,8	Capella. *	74 41 53,5
1 <i>Arcturus.</i> *	211 9 7,6	<i>Antares.</i> *	243 38 44,7	12 <i>a Aquilæ.</i> *	294 44 25
2 <i>Antares.</i> *	243 38 47,4	<i>a Lyræ.</i> *	277 11 16,2	Capella. *	74 41 54,3
<i>a Aquilæ.</i> *	294 44 22,5	28 <i>1st L.</i>	276 39 11	13 <i>Arcturus.</i> *	211 8 58,6
<i>1st L.</i>	302 52 35	<i>a Aquilæ.</i> *	294 44 25,7	<i>a Lyræ.</i> *	277 11 13,2
5 <i>a Lyræ.</i> *	277 11 15,9	29 <i>Aldebaran.</i> *	65 30 9,6	<i>a Aquilæ.</i> *	294 44 25
<i>1st L.</i>	348 55 24	Capella. *	74 41 46,5	<i>Aldebaran.</i> *	65 30 17,6
<i>Capella.</i> *	74 41 37	Rigel. *	75 43 3,6	Capella. *	74 41 55,4
<i>Syrius.</i> *	98 36 30	30 <i>a Aquilæ.</i> *	294 44 25,8	Rigel. *	75 43 10,3
6 <i>Regulus.</i> *	148 51 4,6	<i>1st L.</i>	310 8 22	<i>a Orionis.</i> *	85 30 28
7 <i>a Aquilæ.</i> *	294 44 23	<i>Aldebaran.</i> *	65 30 10	<i>Procyon.</i> *	111 38 33,6
<i>1st L.</i>	15 40 52	Capella. *	74 41 47	14 <i>Capella.</i> *	74 41 56,6
<i>Aldebaran.</i> *	65 30 2	Rigel. *	75 43 4	Rigel. *	75 43 10,6
8 <i>Antares.</i> *	243 38 47,8	31 <i>a Cygni.</i> *	308 18 2,5	<i>a Orionis.</i> *	85 30 28,3
Capella. *	74 41 37	<i>1st L.</i>	326 52 15	<i>Syrius.</i> *	98 36 39,3
Syrius. *	98 36 30	Rigel. *	75 43 4,4	<i>Procyon.</i> *	111 38 34
9 <i>Arcturus.</i> *	211 9 6,3	AUGUST.		15 <i>Arcturus.</i> *	211 8 58,8
<i>1st L.</i>	41 2 25	1 <i>Arcturus.</i> *	211 9 1,2	16 <i>a Lyræ.</i> *	277 11 13,6
Capella. *	74 41 37,1	<i>a Lyræ.</i> *	277 11 16	<i>a Aquilæ.</i> *	294 44 25
Rigel. *	75 42 57,1	<i>a Aquilæ.</i> *	294 44 25,8	17 <i>a Lyræ.</i> *	277 11 13
<i>a Orionis.</i> *	85 30 15,5	<i>1st L.</i>	342 10 41	<i>a Aquilæ.</i> *	294 44 25
Syrius. *	98 36 31	2 <i>Arcturus.</i> *	211 9 1	18 <i>Aldebaran.</i> *	65 30 18,8
11 <i>Capella.</i> *	74 41 37,4	<i>a Lyræ.</i> *	277 11 15,8	Capella. *	74 41 58
<i>a Orionis.</i> *	85 30 15,5	<i>1st L.</i>	356 38 46	Rigel. *	75 43 11,5
12 <i>Arcturus.</i> *	211 9 5,7	3 <i>a Aquilæ.</i> *	294 44 25,8	<i>a Orionis.</i> *	85 30 29,1
<i>a Lyræ.</i> *	277 11 14,9	4 <i>Rigel.</i> *	75 43 5,9	19 <i>a Lyræ.</i> *	277 11 12,3
<i>Aldebaran.</i> *	65 30 3	5 <i>Antares.</i> *	243 38 43	<i>a Cygni.</i> *	308 18 2
Capella. *	74 41 38,5	<i>a Lyræ.</i> *	277 11 15,3	20 <i>a Aquilæ.</i> *	294 44 24,8
Rigel. *	75 42 58	<i>a Aquilæ.</i> *	294 44 25,2	<i>a Cygni.</i> *	308 17 59,6
<i>1st L.</i>	79 21 56	6 <i>1st L.</i>	49 25 58	21 <i>a Lyræ.</i> *	277 11 11,6
Syrius. *	98 36 31,4	<i>Aldebaran.</i> *	65 30 12,2	<i>a Aquilæ.</i> *	294 44 24,8
18 <i>Antares.</i> *	243 38 45,8	Capella. *	74 41 51,3	<i>a Cygni.</i> *	308 18 1,7
<i>a Lyræ.</i> *	277 11 17	7 <i>a Aquilæ.</i> *	294 44 25,2	<i>Aldebaran.</i> *	65 30 20,3
		<i>1st L.</i>	62 16 8	25 <i>Arcturus.</i> *	211 8 57

In the YEAR MDCC LVII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
AUGUST.		SEPTEMBER.		OCTOBER.	
	° ' "		° ' "		° ' "
25 <i>Rigel.</i> *	75 43 13,8	19 <i>α Aquilæ.</i> *	294 44 20,6	20 <i>α Aquilæ.</i> *	294 44 14
<i>α Orionis.</i> *	85 30 31,3	<i>α Cygni.</i> *	308 17 56	<i>δ 1st L.</i> *	305 43 55
<i>Syrus.</i> *	98 36 42,3			<i>α Cygni.</i> *	308 17 45,4
<i>Procyon.</i> *	111 38 38	20 <i>δ 1st L.</i> *	263 51 17	23 <i>Arcturus.</i> *	211 8 52,8
26 <i>α Orionis.</i> *	85 30 31,5	<i>α Lyræ.</i> *	277 11 2,2	<i>α Cygni.</i> *	308 17 45
<i>Syrus.</i> *	98 36 43,6	<i>α Aquilæ.</i> *	294 44 20,4	<i>δ 1st L.</i> *	349 54 8
<i>Procyon.</i> *	111 38 38,5	<i>α Cygni.</i> *	308 17 55,6	24 <i>α Aquilæ.</i> *	294 44 12,6
27 <i>Arcturus.</i> *	211 8 56,3	23 <i>Arcturus.</i> *	211 8 53,4	<i>δ 1st L.</i> *	3 45 9
<i>α Lyræ.</i> *	277 11 10	<i>δ 1st L.</i> *	310 53 17	25 <i>δ 1st L.</i> *	17 20 23
28 <i>α Lyræ.</i> *	277 11 9,7	<i>α Orionis.</i> *	85 30 45,2	28 <i>δ 2d L.</i> *	58 22 20
<i>α Aquilæ.</i> *	294 44 24,3	24 <i>Rigel.</i> *	75 43 27,9	<i>Aldebaran.</i> *	65 30 49,3
<i>α Cygni.</i> *	308 18 1	<i>α Orionis.</i> *	85 30 45,6	<i>Capella.</i> *	74 42 41
<i>δ 1st L.</i> *	333 59 29	25 <i>α Lyræ.</i> *	277 11 0	<i>Rigel.</i> *	75 43 41,5
<i>Capella.</i> *	74 42 4,4	<i>α Aquilæ.</i> *	294 44 19,5	29 <i>α Lyræ.</i> *	277 10 48,4
<i>Rigel.</i> *	75 43 16	26 <i>α Cygni.</i> *	308 17 53,2	<i>α Aquilæ.</i> *	294 44 11,8
<i>α Orionis.</i> *	85 30 33,5	<i>δ 1st L.</i> *	355 52 52	<i>α Cygni.</i> *	308 17 41,7
29 <i>δ 2d L.</i> *	349 16 12	30 <i>α Aquilæ.</i> *	294 44 17	30 <i>α Aquilæ.</i> *	294 44 11,7
30 <i>Arcturus.</i> *	211 8 55,7	<i>δ 2d L.</i> *	51 13 44	<i>δ 2d L.</i> *	85 35 13
<i>α Lyræ.</i> *	277 11 9,2	<i>Rigel.</i> *	75 43 30,7	<i>Syrus.</i> *	98 37 12,1
<i>α Aquilæ.</i> *	294 44 24,1	<i>α Orionis.</i> *	85 30 48,6	<i>Arcturus.</i> *	211 8 53,5
<i>α Cygni.</i> *	308 18 0,8	<i>Syrus.</i> *	98 36 58,8	31 <i>α Cygni.</i> *	308 17 41
<i>δ 2d L.</i> *	3 37 57	<i>Procyon.</i> *	111 38 53,3	<i>δ 2d L.</i> *	99 5 19
<i>α Orionis.</i> *	85 30 34,5	OCTOBER.		NOVEMBER.	
<i>Syrus.</i> *	98 36 45,2	2 <i>δ 2d L.</i> *	78 4 42	1 <i>Procyon.</i> *	111 39 1,5
<i>Procyon.</i> *	111 38 40,2	<i>Syrus.</i> *	98 36 59,8	<i>δ 2d L.</i> *	112 22 20
31 <i>Arcturus.</i> *	211 8 55,5	<i>Procyon.</i> *	111 38 54,2	2 <i>α Lyræ.</i> *	277 10 47,5
<i>δ 2d L.</i> *	17 27 21	<i>Pollux.</i> *	112 36 37	<i>α Aquilæ.</i> *	294 44 11
<i>Syrus.</i> *	98 36 45,5	3 <i>α Aquilæ.</i> *	294 44 16,2	<i>α Cygni.</i> *	308 17 40,6
<i>Procyon.</i> *	111 38 40,7	<i>δ 2d L.</i> *	91 26 30	3 <i>δ 2d L.</i> *	137 59 41
SEPTEMBER.		<i>Syrus.</i> *	98 36 59,9	4 <i>α Aquilæ.</i> *	294 44 10,6
1 <i>α Aquilæ.</i> *	294 44 23,8	<i>Procyon.</i> *	111 38 54,6	<i>α Cygni.</i> *	308 17 40
<i>α Cygni.</i> *	308 18 0,4	<i>Pollux.</i> *	112 36 37,5	5 <i>δ 2d L.</i> *	162 27 12
<i>δ 2d L.</i> *	30 54 7	4 <i>Arcturus.</i> *	211 8 49	6 <i>Arcturus.</i> *	211 8 54,5
3 <i>α Aquilæ.</i> *	294 44 23,5	<i>α Aquilæ.</i> *	294 44 16	7 <i>α Lyræ.</i> *	277 10 46
<i>δ 2d L.</i> *	57 16 16	<i>Syrus.</i> *	98 36 58	<i>α Aquilæ.</i> *	294 44 10
<i>α Orionis.</i> *	85 30 36,3	<i>δ 2d L.</i> *	99 11 52	<i>α Cygni.</i> *	308 17 38,7
<i>Syrus.</i> *	98 36 47	<i>Pollux.</i> *	104 40 35	<i>δ 2d L.</i> *	186 35 58
<i>Procyon.</i> *	111 38 42	10 <i>α Aquilæ.</i> *	294 44 16,1	8 <i>α Aquilæ.</i> *	294 44 9,5
4 <i>α Lyræ.</i> *	277 11 7,6	<i>α Cygni.</i> *	308 17 49	<i>c Sept. 12.</i> *	89 50 10
<i>Capella.</i> *	74 42 9	<i>Regulus.</i> *	148 51 18	<i>b Sept. 12.</i> *	90 20 25
<i>Syrus.</i> *	98 36 47,3	17 <i>α Lyræ.</i> *	277 10 52,4	<i>a Sept. 12.</i> *	90 40 30
<i>Procyon.</i> *	111 38 42,2	<i>α Aquilæ.</i> *	294 44 14,6	<i>Sept. 13.</i> *	93 6 0
16 <i>Arcturus.</i> *	211 8 53	<i>α Cygni.</i> *	308 17 46,5	<i>Syrus.</i> *	98 37 15,5
<i>α Lyræ.</i> *	277 11 3,4	18 <i>δ 1st L.</i> *	274 39 6	<i>a Sept. 17.</i> *	109 55 50
<i>α Cygni.</i> *	308 17 56,9	<i>α Lyræ.</i> *	277 10 52	<i>Procyon.</i> *	111 39 11
17 <i>α Aquilæ.</i> *	294 44 21	<i>α Aquilæ.</i> *	294 44 14,4	<i>Pollux.</i> *	112 36 58
<i>α Cygni.</i> *	308 17 56,6	<i>α Cygni.</i> *	308 17 46,2	<i>b Sept. 19.</i> *	118 29 40
18 <i>Arcturus.</i> *	211 8 52,8	19 <i>Arcturus.</i> *	211 8 50,6	<i>f Sept. 23.</i> *	139 56 10
<i>δ 1st L.</i> *	234 46 57	<i>α Lyræ.</i> *	277 10 51,8	<i>b Sept. 24.</i> *	137 46 7
<i>α Aquilæ.</i> *	294 44 20,8	<i>δ 1st L.</i> *	290 13 17	<i>a Sept. 24.</i> *	138 14 7
<i>α Cygni.</i> *	308 17 56,3	<i>α Aquilæ.</i> *	294 44 14,2	<i>Arcturus.</i> *	211 8 54,8
19 <i>Arcturus.</i> *	211 8 53	<i>α Cygni.</i> *	308 17 45,8		
<i>δ 1st L.</i> *	248 58 8	20 <i>α Lyræ.</i> *	277 10 51,4		
<i>α Lyræ.</i> *	277 11 2,5				

In the YEAR MDCC LVII.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
NOVEMBER.				NOVEMBER.				DECEMBER.			
10	<i>α Aquilæ.</i>	*	294 44 9,2	25	<i>α Cygni.</i>	*	308 17 31,3	14	<i>α Cygni.</i>	*	308 17 24,2
	<i>α Cygni.</i>	*	308 17 36,8						<i>β 1st L.</i>	*	311 9 13,5
11	<i>α Lyræ.</i>	*	277 10 44,8	26	<i>β 2d L.</i>		79 42 41		<i>Aldebaran.</i>	*	65 30 57,8
	<i>α Aquilæ.</i>	*	294 44 9		<i>α Orionis.</i>	*	85 31 10,5		<i>Capella.</i>	*	74 42 55,8
	<i>α Cygni.</i>	*	308 17 36,4		<i>Arcturus.</i>	*	211 8 59,6		<i>Rigel.</i>	*	75 43 51,9
12	<i>Arcturus.</i>	*	211 8 55,8	27	<i>α Aquilæ.</i>	*	294 44 6,3		<i>α Orionis.</i>	*	85 31 13,8
14	<i>α Aquilæ.</i>	*	294 44 8,4		<i>α Cygni.</i>	*	308 17 30,8	15	<i>α Lyræ.</i>	*	277 10 39,6
	<i>α Cygni.</i>	*	308 17 35,2		<i>β 2d L.</i>		93 21 0		<i>Aldebaran.</i>	*	65 30 58,3
16	<i>α Lyræ.</i>	*	277 10 43,5		<i>Syrius.</i>	*	98 37 22,2		<i>Capella.</i>	*	74 42 56
	<i>α Aquilæ.</i>	*	294 44 8	28	<i>α Lyræ.</i>	*	277 10 41,2		<i>Rigel.</i>	*	75 43 52
	<i>β 1st L.</i>	*	301 9 18		<i>Venus's Center.</i>		290 45 13	16	<i>α Lyræ.</i>	*	277 10 39,6
	<i>α Cygni.</i>	*	308 17 34,6		<i>α Aquilæ.</i>	*	294 44 6		<i>α Aquilæ.</i>	*	294 44 3,8
	<i>Arcturus.</i>	*	211 8 57		<i>α Cygni.</i>	*	308 17 30,5		<i>α Cygni.</i>	*	308 17 24,7
17	<i>α Lyræ.</i>	*	277 10 43,2		<i>Saturn's Center.</i>		319 38 47	17	<i>β 1st L.</i>		355 12 0
	<i>α Aquilæ.</i>	*	294 44 7,8		<i>Aldebaran.</i>	*	65 30 56,5		<i>Aldebaran.</i>	*	65 30 58,4
	<i>α Cygni.</i>	*	308 17 34,3	DECEMBER.					<i>Capella.</i>	*	74 42 56,2
	<i>β 1st L.</i>	*	316 32 57	3	<i>Aldebaran.</i>	*	65 30 56,9		<i>Rigel.</i>	*	75 43 52,2
	<i>Arcturus.</i>	*	211 8 57,3		<i>Capella.</i>	*	74 42 49		<i>α Orionis.</i>	*	85 31 14,2
18	<i>Arcturus.</i>	*	211 8 57,6	4	<i>β 2d L.</i>		181 14 14	18	<i>α Lyræ.</i>	*	277 10 39,5
20	<i>β 1st L.</i>		359 8 43		<i>Arcturus.</i>	*	211 9 1,8		<i>β 1st L.</i>	*	8 34 5
	<i>Procyon.</i>	*	111 39 16,7	5	<i>α Aquilæ.</i>	*	294 44 4		<i>Aldebaran.</i>	*	65 30 58,4
	<i>Pollux.</i>	*	112 37 4		<i>Venus's Center.</i>		299 52 20		<i>Capella.</i>	*	74 42 56,4
	<i>Mars's Center.</i>		141 5 42		<i>Aldebaran.</i>	*	65 30 57,3		<i>Rigel.</i>	*	75 43 52,3
	<i>Regulus.</i>	*	148 51 36,2		<i>β 2d L.</i>		193 15 10	20	<i>α Lyræ.</i>	*	277 10 39,6
	<i>37 Sextantis.</i>		158 22 0		<i>Arcturus.</i>	*	211 9 2,2		<i>α Aquilæ.</i>	*	294 44 3,8
	<i>Arcturus.</i>	*	211 8 57,9	6	<i>α Aquilæ.</i>	*	294 44 4		<i>α Cygni.</i>	*	308 17 24,3
21	<i>α Aquilæ.</i>	*	294 44 7,2		<i>Venus's Center.</i>		300 51 45	23	<i>Aldebaran.</i>	*	65 30 58,3
	<i>α Cygni.</i>	*	308 17 33		<i>α Cygni.</i>	*	308 17 27,5		<i>β 1st L.</i>	*	74 3 11
	<i>β 1st L.</i>		12 26 54		<i>Aldebaran.</i>	*	65 30 57,4		<i>Rigel.</i>	*	75 43 52,5
22	<i>α Cygni.</i>	*	308 17 32,6		<i>Capella.</i>	*	74 42 49,7		<i>α Orionis.</i>	*	85 31 14,8
23	<i>α Aquilæ.</i>	*	294 44 6,8	8	<i>α Lyræ.</i>	*	277 10 40	27	<i>Aldebaran.</i>	*	65 30 58,3
	<i>α Cygni.</i>	*	308 17 32,3	9	<i>α Cygni.</i>	*	308 17 26,5		<i>Capella.</i>	*	74 42 56,6
	<i>β 1st L.</i>	*	38 45 43		<i>Saturn's Center.</i>		320 25 44		<i>Rigel.</i>	*	75 43 52,7
	<i>Arcturus.</i>	*	211 8 58,8		<i>Aldebaran.</i>	*	65 30 57,8		<i>α Orionis.</i>	*	85 31 15,1
24	<i>α Cygni.</i>	*	308 17 31,6	10	<i>Aldebaran.</i>	*	65 30 57,9		<i>β 2d L.</i>		128 2 34
	<i>β 1st L.</i>	*	52 3 40		<i>Capella.</i>	*	74 42 55,1	28	<i>α Aquilæ.</i>	*	294 44 3,9
	<i>Arcturus.</i>	*	211 8 59		<i>Rigel.</i>	*	75 43 51,4		<i>Aldebaran.</i>	*	65 30 58,3
									<i>Capella.</i>	*	74 42 56,6
									<i>α Orionis.</i>	*	85 31 15,2
									<i>β 2d L.</i>		140 40 50

In the YEAR MDCC LVIII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		FEBRUARY.		FEBRUARY.	
	° ' "		° ' "		° ' "
2 <i>Spica Virginis.</i> *	198 6 52,8	1 γ 2d L.	233 6 32,2	27 α Orionis. *	85 31 9,1
γ 2d L.	200 6 54	9 <i>Capella.</i> *	74 42 49,1	<i>Syrus.</i> *	98 37 23,7
3 <i>Capella.</i> *	74 42 56,1	<i>Syrus.</i> *	98 37 27,7	<i>Procyon.</i> *	111 39 29
<i>Rigel.</i> *	75 43 52	<i>Procyon.</i> *	111 39 30,7	γ 2d L.	215 47 18
α Orionis. *	85 31 16,3	<i>Pollux.</i> *	112 37 21,4	MARCH.	
4 <i>Aldebaran.</i> *	65 30 57	10 α Lyræ. *	277 10 50,8	1 γ 2d L.	241 46 13
<i>Capella.</i> *	74 42 56	α Cygni. *	308 17 23,2	<i>Antares.</i> *	243 39 5,4
<i>Rigel.</i> *	75 43 52	11 γ 1st L.	11 40 8	α Aquilæ. *	294 44 16,6
6 γ 2d L.	254 31 22	<i>Aldebaran.</i> *	65 30 51,2	α Cygni. *	308 17 28,9
α Lyræ. *	277 10 40,3	<i>Capella.</i> *	74 42 48,5	2 α Orionis. *	85 31 8,5
8 α Aquilæ. *	294 44 4,3	<i>Rigel.</i> *	75 43 46,7	<i>Procyon.</i> *	111 39 28,6
α Cygni. *	308 17 21,9	α Orionis. *	85 31 12,1	<i>Pollux.</i> *	112 37 18,5
<i>Capella.</i> *	74 42 55,6	<i>Syrus.</i> *	98 37 27,4	3 α Orionis. *	85 31 8,3
<i>Rigel.</i> *	75 43 51,7	<i>Procyon.</i> *	111 39 30,6	<i>Syrus.</i> *	98 37 23,5
α Orionis. *	85 31 16,2	13 γ 1st L.	38 50 34	<i>Procyon.</i> *	111 39 28,6
11 α Aquilæ. *	294 44 4,7	<i>Aldebaran.</i> *	65 30 50,8	γ 2d L.	270 59 41
α Cygni. *	308 17 21,9	<i>Capella.</i> *	74 42 47,9	α Lyræ. *	277 11 0,2
<i>Capella.</i> *	74 42 55,2	<i>Rigel.</i> *	75 43 46,3	8 α Orionis. *	85 31 7
<i>Rigel.</i> *	75 43 51,4	α Orionis. *	85 31 11,7	<i>Syrus.</i> *	98 37 22,2
13 γ 1st L.	350 1 50	<i>Syrus.</i> *	98 37 27,1	13 α Orionis. *	85 31 6
<i>Aldebaran.</i> *	65 30 56,1	<i>Procyon.</i> *	111 39 30,4	<i>Syrus.</i> *	98 37 21,1
<i>Capella.</i> *	74 42 54,9	14 α Orionis. *	85 31 11,5	<i>Castor.</i> *	109 46 53,1
α Lyræ. *	277 10 41,8	<i>Syrus.</i> *	98 37 27	<i>Procyon.</i> *	111 39 26,8
14 <i>Aldebaran.</i> *	65 30 56	<i>Procyon.</i> *	111 39 30,3	<i>Pollux.</i> *	112 37 17,1
<i>Capella.</i> *	74 42 54,8	15 γ 1st L.	65 30 24	15 <i>Aldebaran.</i> *	65 30 44,1
<i>Rigel.</i> *	75 43 51,1	<i>Capella.</i> *	74 42 47,7	γ 1st L.	73 47 26
<i>Procyon.</i> *	111 39 30,3	<i>Rigel.</i> *	75 43 46	<i>Rigel.</i> *	75 43 39,2
15 γ 1st L.	17 28 11	α Orionis. *	85 31 11,3	<i>Castor.</i> *	109 46 52,6
<i>Aldebaran.</i> *	65 30 55,8	16 γ 1st L.	78 52 40 :	<i>Pollux.</i> *	112 37 16,7
<i>Capella.</i> *	74 42 54,7	α Orionis. *	85 31 11,1	α Lyræ. *	277 11 6,1
<i>Rigel.</i> *	75 43 51	<i>Spica Virginis.</i> *	198 7 12,6	16 <i>Aldebaran.</i> *	65 30 43,9
α Orionis. *	85 31 15,9	α Cygni. *	308 17 24,5	<i>Capella.</i> *	74 42 38
α Lyræ. *	277 10 42,2	17 <i>Capella.</i> *	74 42 47	<i>Rigel.</i> *	75 43 39
16 γ 1st L.	30 35 7	<i>Rigel.</i> *	75 43 45,6	α Orionis. *	85 31 5,3
<i>Aldebaran.</i> *	65 30 55,7	α Orionis. *	85 31 11	γ 1st L.	87 27 38
<i>Capella.</i> *	74 42 54,6	γ 1st L.	92 16 7	17 α Orionis. *	85 31 5,1
<i>Rigel.</i> *	75 43 50,9	<i>Syrus.</i> *	98 37 26,4	<i>Syrus.</i> *	98 37 20,2
α Orionis. *	85 31 15,9	<i>Procyon.</i> *	111 39 30,1	γ 1st L.	100 59 35
17 α Orionis. *	85 31 15,8	18 <i>Aldebaran.</i> *	65 30 49,7	<i>Procyon.</i> *	111 39 26,1
19 <i>Aldebaran.</i> *	65 30 55,4	α Orionis. *	85 31 10,8	<i>Pollux.</i> *	112 37 16,3
γ 1st L.	69 48 31	<i>Syrus.</i> *	98 37 26,2	23 γ 1st L.	175 50 0
<i>Capella.</i> *	74 42 53,7	γ 1st L.	105 35 6	24 <i>Rigel.</i> *	75 43 37,3
<i>Rigel.</i> *	75 43 50,5	<i>Procyon.</i> *	111 39 30	α Orionis. *	85 31 3,5
α Orionis. *	85 31 14,9	20 <i>Procyon.</i> *	111 39 29,8	γ 2d L.	188 2 42
<i>Syrus.</i> *	98 37 29,5	<i>Pollux.</i> *	112 37 20,5	26 <i>Castor.</i> *	109 46 50
α Lyræ. *	277 10 43,6	γ 1st L.	131 34 9	<i>Procyon.</i> *	111 39 24,3
25 <i>Capella.</i> *	74 42 52,5	α Aquilæ. *	294 44 13,3	<i>Pollux.</i> *	112 37 14,3
<i>Castor.</i> *	109 46 58,4	α Cygni. *	308 17 25,5	<i>Regulus.</i> *	148 52 6,2
<i>Procyon.</i> *	111 39 31	23 <i>Aldebaran.</i> *	65 30 48,1	<i>Arcturus.</i> *	211 9 43,8
<i>Pollux.</i> *	112 37 21,5	<i>Capella.</i> *	74 42 44,8	γ 2d L.	211 55 12
26 γ 2d L.	160 42 30	25 <i>Aldebaran.</i> *	65 30 47,6	27 <i>Aldebaran.</i> *	65 30 44,8
29 <i>Aldebaran.</i> *	65 30 54,1	<i>Capella.</i> *	74 42 44,2	<i>Capella.</i> *	74 42 34,7
30 γ 2d L.	207 35 56	<i>Rigel.</i> *	75 43 43,6	<i>Rigel.</i> *	75 43 36,5
<i>Arcturus.</i> *	211 9 22,5	α Orionis. *	85 31 9,5	α Orionis. *	85 31 2,9
		27 <i>Aldebaran.</i> *	65 30 47,2	<i>Syrus.</i> *	98 37 17,7
		<i>Capella.</i> *	75 43 43,6		

In the Y E A R M D C C L V I I I .

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
MARCH.				APRIL.				APRIL.			
27	Castor.	*	109 46 50	6	Rigel.	*	75 43 34,8	24	Procyon.	*	111 39 18,1
	Procyon.	*	111 39 24,1		Syrus.	*	98 37 15,4				
	Pollux.	*	112 37 14,3		α Aquilæ.	*	294 44 31,8	29	α Orionis.	*	85 30 57,2
28	Aldebaran.	*	65 30 41,7	8	Aldebaran.	*	65 30 40,1	MAY.			
	Capella.	*	74 42 34,5		Capella.	*	74 42 31,8	1	Procyon.	*	111 39 16,8
	Rigel.	*	75 43 36,3		Rigel.	*	75 43 34,4		Pollux.	*	112 37 6,2
	α Orionis.	*	85 31 2,7		Syrus.	*	98 37 15		Regulus.	*	148 52 1,4
	Syrus.	*	98 37 17,5		Castor.	*	109 46 47,2		Arcturus.	*	211 9 49,8
	Castor.	*	109 46 49,8		Procyon.	*	111 39 21,6		δ 2d L.		337 13 0
	Procyon.	*	111 39 24		Pollux.	*	112 37 11,6	2	Aldebaran.	*	65 30 38
	Pollux.	*	112 37 14	9	Aldebaran.	*	65 30 40		Capella.	*	74 42 27,8
	Regulus.	*	148 52 6		Capella.	*	74 42 31,6		Rigel.	*	75 43 31,4
	δ 2d L.		237 33 40		Rigel.	*	75 43 34,2		α Orionis.	*	85 30 57,1
29	Aldebaran.	*	65 30 41,5		α Orionis.	*	85 31		Castor.	*	109 46 41,7
	Capella.	*	74 42 34,3	10	Aldebaran.	*	65 30 39,8		Procyon.	*	111 39 16,8
	Rigel.	*	75 43 36		Capella.	*	74 42 31,4		Regulus.	*	148 52 1,4
	α Orionis.	*	85 31 2,5		Rigel.	*	75 43 34		δ 2d L.		351 32 27
	Syrus.	*	98 37 17,3		α Orionis.	*	85 31 0,3	4	Castor.	*	109 46 40,8
	Castor.	*	109 46 49,7		Syrus.	*	98 37 14,4		Procyon.	*	111 39 16,1
	Procyon.	*	111 39 23,7	12	Castor.	*	109 46 46,2		Pollux.	*	112 37 5,5
	Pollux.	*	112 37 13,8		Procyon.	*	111 39 20,8	6	α Orionis.	*	85 30 56,9
	Regulus.	*	148 52 6		Pollux.	*	112 37 10,7		Syrus.	*	98 37 9
	δ 2d L.		251 23 11	13	α Orionis.	*	85 30 59,6		Procyon.	*	111 39 16
	α Aquilæ.	*	294 44 28,2		δ 1st L.		95 29 52		Pollux.	*	112 37 5,3
30	Aldebaran.	*	65 30 41,2		Syrus.	*	98 37 13,4	9	Rigel.	*	75 43 30,7
	Capella.	*	74 42 34,1		Castor.	*	109 46 45,5		α Orionis.	*	85 30 56,4
	Rigel.	*	75 43 36		Procyon.	*	111 39 20,4		Procyon.	*	111 39 15,5
	Syrus.	*	98 37 17	14	Aldebaran.	*	65 30 39		Pollux.	*	112 37 4,8
	Castor.	*	109 46 49,7		Capella.	*	74 42 30,3		Arcturus.	*	211 9 51
	Procyon.	*	111 39 23,5		δ 1st L.		109 9 50	10	Capella.	*	74 42 26,9
	Pollux.	*	112 37 13,6		Procyon.	*	111 39 20,1		δ 1st L.		89 13 7
	δ 2d L.		265 55 44		Pollux.	*	112 37 10		Syrus.	*	98 37 8
	α Aquilæ.	*	294 44 28,7		Regulus.	*	148 52 4,2		Procyon.	*	111 39 15,3
31	Aldebaran.	*	65 30 41,1	16	Syrus.	*	98 37 12,7		Pollux.	*	112 37 4,6
	Capella.	*	74 42 33,8		δ 1st L.		135 16 22		Spica Virginis.	*	198 7 27,6
	Rigel.	*	75 43 35,8		Regulus.	*	148 52 3,8	11	Rigel.	*	75 43 30,4
	α Orionis.	*	85 31 2,2		α Lyra.	*	277 11 22,6		Syrus.	*	98 37 7,8
	Castor.	*	109 46 49,2	18	Syrus.	*	98 37 12,2		δ 1st L.		103 16 42
	Procyon.	*	111 39 23,3		Castor.	*	109 46 44,3		Procyon.	*	111 39 15,2
	Pollux.	*	112 37 13,4		Procyon.	*	111 39 19,3		Pollux.	*	112 37 4,4
	δ 2d L.		281 4 48		Pollux.	*	112 37 9		Spica Virginis.	*	198 7 27,6
	α Aquilæ.	*	294 44 29,1						Arcturus.	*	211 9 51,2
APRIL.											
1	Aldebaran.	*	65 30 41	19	Capella.	*	74 42 29,3	12	Capella.	*	74 42 26,9
	Capella.	*	74 42 33,6		Rigel.	*	75 43 32,5		α Orionis.	*	85 30 56,1
	Rigel.	*	75 43 35,6		α Orionis.	*	85 30 58,6		Syrus.	*	98 37 7,8
	α Orionis.	*	85 31 2		Castor.	*	109 46 44,1		δ 1st L.		116 57 55
	Syrus.	*	98 37 16,6		Procyon.	*	111 39 19,1		Mars's Center.		142 48 48
	Procyon.	*	111 39 23,1		Pollux.	*	112 37 8,8		Spica Virginis.	*	198 7 27,5
	Pollux.	*	112 37 13,2		Regulus.	*	148 52 3,4	13	Syrus.	*	98 37 7,7
					δ 1st L.		171 30 32		Procyon.	*	111 39 14,8
4	α Orionis.	*	85 31 1,5	20	δ 1st L.		183 12 39		Pollux.	*	112 37 4
	Castor.	*	109 46 48,2						δ 1st L.		130 9 50
	Procyon.	*	111 39 22,5	22	Rigel.	*	75 43 32,2		Spica Virginis.	*	198 7 27,4
	Pollux.	*	112 37 12,5		Castor.	*	109 46 43,4		Arcturus.	*	211 9 50,9
					Procyon.	*	111 39 18,5	14	Procyon.	*	111 39 14,7
5	Capella.	*	74 42 32,6		Pollux.	*	112 37 8,1		Pollux.	*	112 37 3,8
	Rigel.	*	75 43 35		Regulus.	*	148 52 3		δ 1st L.		142 50 2
	α Orionis.	*	85 31 1,3		Spica Virginis.	*	198 7 27				
	Castor.	*	109 46 48		δ 1st L.		207 2 7				
	Procyon.	*	111 39 22,3		Arcturus.	*	211 9 49				
	Pollux.	*	112 37 12,3								

In the YEAR MDCC LVIII.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
M A Y.				J U N E.				J U N E.			
° ' "				° ' "				° ' "			
16	Capella.	*	74 42 25,7	1	Procyon.	*	111 39 12,5	17	Antares.	*	243 39 39
	Syrus.	*	98 37 7,2		Spica Virginis.	*	198 7 25,7	18	Arcturus.	*	211 9 48
	1st L.		166 52 45		Arcturus.	*	211 9 50		1st L.		234 42 53
	Spica Virginis.	*	198 7 27,2	2	Rigel.	*	75 43 30,7	19	1st L.		248 54 45
	Arcturus.	*	211 9 50,9		Procyon.	*	111 39 12,3		α Aquilæ.	*	294 45 0
					Pollux.	*	112 37 1,1	20	Arcturus.	*	211 9 47,6
17	α Orionis.	*	85 30 55,5		Spica Virginis.	*	198 7 25,5		Antares.	*	243 39 39
	Syrus.	*	98 37 7	3	Capella.	*	74 42 28		1st L.		264 2 0
	Procyon.	*	111 39 14,2		Syrus.	*	98 37 5,5	21	Spica Virginis.	*	198 7 22,8
	Regulus.	*	148 51 58,2		Procyon.	*	111 39 12		Arcturus.	*	211 9 47,4
	1st L.		178 32 17		Regulus.	*	148 51 55,1		Antares.	*	243 39 39
	Spica Virginis.	*	198 7 27,1		Spica Virginis.	*	198 7 25,4	22	Arcturus.	*	211 9 47,2
	Arcturus.	*	211 9 50,9	6	Arcturus.	*	211 9 49,5		Antares.	*	243 39 39
18	Procyon.	*	111 39 13,6		α Aquilæ.	*	294 44 56,4		α Aquilæ.	*	294 45 1
	Pollux.	*	112 37 2,6	7	α Orionis.	*	85 30 55,8		1st L.		296 38 15
	1st L.		190 12 9		Syrus.	*	98 37 5,3	23	Arcturus.	*	211 9 47
	Spica Virginis.	*	198 7 26,8		Spica Virginis.	*	198 7 25		Antares.	*	243 39 39
	Arcturus.	*	211 9 50		Antares.	*	243 39 38		α Cygni.	*	308 18 22
19	Syrus.	*	98 37 6	8	Procyon.	*	111 39 12		1st L.		312 38 15
	Procyon.	*	111 39 13,3		Pollux.	*	112 37 0,7	24	Spica Virginis.	*	198 7 22,4
	Pollux.	*	112 37 2,4		Spica Virginis.	*	198 7 24,8	26	Syrus.	*	98 37 6
	Regulus.	*	148 51 58,4		Arcturus.	*	211 9 49,2		Arcturus.	*	211 9 46,7
	Spica Virginis.	*	198 7 26,4	9	α Orionis.	*	85 30 56		Antares.	*	243 39 39
	1st L.		202 4 48		Syrus.	*	98 37 5,2		1st L.		356 59 16
	Arcturus.	*	211 9 49,8		Procyon.	*	111 39 11,7	27	Spica Virginis.	*	198 7 22
20	Syrus.	*	98 37 5,8		Pollux.	*	112 37 0,5		Arcturus.	*	211 9 46,6
	Procyon.	*	111 39 13		1st L.		124 44 20	28	Antares.	*	243 39 39
	Pollux.	*	112 37 2,2		Regulus.	*	148 51 53,8		1st L.		23 57 39
21	Syrus.	*	98 37 5,6		Arcturus.	*	211 9 49,1	2	Aldebaran.	*	65 30 47,3
	Procyon.	*	111 39 12,8		Capella.	*	74 42 28,8		Capella.	*	74 42 35,3
	Pollux.	*	112 37 2		Rigel.	*	75 43 31,6	4	Arcturus.	*	211 9 45,1
	Regulus.	*	148 51 58	10	Syrus.	*	98 37 5,2		Antares.	*	243 39 38,4
22	α Orionis.	*	85 30 54,3		Procyon.	*	111 39 11,6	9	α Orionis.	*	85 31 1
	Regulus.	*	148 51 57,8		Pollux.	*	112 37 0,4	13	Antares.	*	243 39 37,6
23	Syrus.	*	98 37 5,6		1st L.		137 44 23		α Lyrae.	*	277 11 45,6
	Procyon.	*	111 39 12,8		Regulus.	*	148 51 53,6		α Orionis.	*	85 31 2,2
	Pollux.	*	112 37 2		Spica Virginis.	*	198 7 24,5	14	Arcturus.	*	211 9 43
	Regulus.	*	148 51 58		Arcturus.	*	211 9 49		Rigel.	*	75 43 39,2
24	Arcturus.	*	211 9 50		Capella.	*	74 42 29,2		α Orionis.	*	85 31 2,5
25	Syrus.	*	98 37 5,6		Rigel.	*	75 43 31,7	16	1st L.		242 2 33
26	Arcturus.	*	211 9 50	11	Regulus.	*	148 51 53,6		Antares.	*	243 39 37,3
	1st L.		302 39 58		Arcturus.	*	211 9 49	17	Arcturus.	*	211 9 42,4
	α Cygni.	*	308 18 10,3	12	Antares.	*	243 39 39		Antares.	*	243 39 37
27	Capella.	*	74 42 27,2	13	α Orionis.	*	85 30 56,5		1st L.		256 33 50
	Rigel.	*	75 43 30,6		Syrus.	*	98 37 5,4	19	α Lyrae.	*	277 11 45,4
	Syrus.	*	98 37 5,8		Procyon.	*	111 39 11,6		1st L.		288 14 35
	Arcturus.	*	211 9 50		Pollux.	*	112 37 0,4		α Aquilæ.	*	294 45 5,3
28	Syrus.	*	98 37 5,7		1st L.		173 49 40				
	Arcturus.	*	211 9 50		Spica Virginis.	*	198 7 23,8				
	1st L.		332 55 53		Arcturus.	*	211 9 48,5				
29	Capella.	*	74 42 27,4		Antares.	*	243 39 38,9				
	Arcturus.	*	211 9 50,1	14	1st L.		185 21 32				
	Spica Virginis.	*	198 7 25,8		Arcturus.	*	211 9 48,4				
					Antares.	*	243 39 38,8				
				17	Spica Virginis.	*	198 7 23,4				
					Arcturus.	*	211 9 48				
					1st L.		221 26 3				

In the YEAR MDCC LVIII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JULY.		AUGUST.		SEPTEMBER.	
	° ' "		° ' "		° ' "
20 Antares. *	243 39 37	21 ♀ 2d L.	14 3 22	19 α Orionis. *	85 31 29
α Lyræ. *	277 11 45,4	22 ♀ 2d L.	28 4 19	Syrus. *	98 37 31,3
Aldebaran. *	65 30 53,6	Procyon. *	111 39 23	20 α Aquilæ. *	294 45 1
α Orionis. *	85 31 4	23 Arcturus. *	211 9 34	α Cygni. *	308 18 22,7
24 α Aquilæ. *	294 45 5,7	α Cygni. *	308 18 28,5	♀ 2d L.	49 50 58
♀ 2d L.	6 0 53	♀ 2d L.	41 54 53	α Orionis. *	85 31 29,3
Syrus. *	98 37 10,4	α Orionis. *	85 31 17	Castor. *	109 47 3,6
25 α Lyræ. *	277 11 44,8	Procyon. *	111 39 23,3	Procyon. *	111 39 33,8
α Aquilæ. *	294 45 5,8	27 Arcturus. *	211 9 33,5	Pollux. *	112 37 25,7
♀ 2d L.	19 43 53	α Aquilæ. *	294 45 5	21 α Lyræ. *	277 11 30
26 ♀ 2d L.	33 12 39	α Cygni. *	308 18 28	α Aquilæ. *	294 45 0,8
Capella. *	74 42 49	29 α Aquilæ. *	294 45 4,8	α Cygni. *	308 18 22,4
28 α Lyræ. *	277 11 44,4	α Cygni. *	308 18 27,8	♀ 2d L.	64 10 5
β Aquilæ. *	294 45 6	SEPTEMBER.		23 α Cygni. *	308 18 21,8
29 α Lyræ. *	277 11 44,3	1 α Orionis. *	85 31 20	♀ 2d L.	92 41 32
α Aquilæ. *	294 45 6,1	Procyon. *	111 39 25,7	Syrus. *	98 37 33,1
Aldebaran. *	65 30 57,4	8 α Cygni. *	308 18 25,4	Castor. *	109 47 5,2
♀ 2d L.	73 56 47	9 ♀ 1st L.	244 24 25	Procyon. *	111 39 35,2
Capella. *	74 42 47,5	α Lyræ. *	277 11 34	Pollux. *	112 37 27,2
Rigel. *	75 43 44,1	α Aquilæ. *	294 45 3	24 α Aquilæ. *	294 45 0,4
α Orionis. *	85 31 6,9	α Cygni. *	308 18 25,6	α Cygni. *	308 18 21,7
Syrus. *	98 37 11,6	10 ♀ 1st L.	258 17 53	25 α Lyræ. *	277 11 28,5
AUGUST.		α Lyræ. *	277 11 33,7	α Aquilæ. *	294 45 0
5 α Lyræ. *	277 11 43,5	11 α Aquilæ. *	294 45 2,6	α Cygni. *	308 18 21,5
α Aquilæ. *	294 45 6,2	α Orionis. *	85 31 25,2	Castor. *	109 47 6,3
α Orionis. *	85 31 9,5	Syrus. *	98 37 27,6	Procyon. *	111 39 36
Syrus. *	98 37 13,6	Procyon. *	111 39 30	Pollux. *	112 37 27,2
10 Antares. *	243 39 32,7	12 ♀ 1st L.	288 29 48,1	♀ 2d L.	120 13 37
α Lyræ. *	277 11 42,6	α Aquilæ. *	294 45 2,4	26 α Lyræ. *	277 11 28,2
α Aquilæ. *	294 45 6	α Cygni. *	308 18 24,9	α Aquilæ. *	294 44 59,8
11 Arcturus. *	211 9 36,7	15 α Lyræ. *	277 11 32	♀ 2d L.	133 18 34
♀ 1st L.	223 14 4	α Aquilæ. *	294 45 2	OCTOBER.	
Antares. *	243 39 32,5	α Cygni. *	308 18 24,2	9 α Lyræ. *	277 11 23,7
α Aquilæ. *	294 45 6	♀ 1st L.	335 58 41	♀ 1st L.	282 44 2
12 Arcturus. *	211 9 36,5	Syrus. *	98 37 29,3	α Aquilæ. *	294 44 57
♀ 1st L.	236 2 36	Procyon. *	111 39 31,7	α Cygni. *	308 18 16,7
Antares. *	243 39 32,3	16 α Aquilæ. *	294 45 1,8	10 Arcturus. *	211 9 30
α Lyræ. *	277 11 42,1	α Cygni. *	308 18 24	α Lyræ. *	277 11 23,4
α Aquilæ. *	294 45 5,8	♀ 1st L.	351 14 45	α Aquilæ. *	294 44 56,8
17 Arcturus. *	211 9 35,5	17 α Cygni. *	308 18 23,7	♀ 1st L.	297 59 7
Antares. *	243 39 31,3	♀ 2d L.	6 40 24	α Cygni. *	308 18 16,4
α Aquilæ. *	294 45 5,6	Syrus. *	98 37 30,3	11 α Lyræ. *	277 11 23
♀ 1st L.	312 32 40,1	Procyon. *	111 39 32,5	α Aquilæ. *	294 44 56,6
18 Antares. *	243 39 31,1	Pollux. *	112 37 24,2	♀ 1st L.	313 22 3
α Lyræ. *	277 11 40,6	18 α Lyræ. *	277 11 31	12 α Aquilæ. *	294 44 56,4
α Aquilæ. *	294 45 5,6	α Aquilæ. *	294 45 1,4	♀ 1st L.	328 38 41
♀ Center.	328 56 24	α Cygni. *	308 18 23,4	α Orionis. *	85 31 40
20 Antares. *	243 39 30,7	♀ 2d L.	21 11 47	Procyon. *	111 39 44
α Aquilæ. *	294 45 5,3	Syrus. *	98 37 30,7	Pollux. *	148 52 4,8
α Cygni. *	308 18 29	19 α Aquilæ. *	294 45 1,2	13 Arcturus. *	211 9 30
♀ 2d L.	359 40 50	α Cygni. *	308 18 23,1	α Lyræ. *	277 11 22
Procyon. *	111 39 22	♀ 2d L.	35 32 43	α Aquilæ. *	294 44 56
21 α Lyræ. *	277 11 39,7			α Cygni. *	308 18 15,1
α Aquilæ. *	294 45 5,2			♀ 1st L.	343 38 46

In the YEAR M DCC LVIII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
OCTOBER.		NOVEMBER.		NOVEMBER.	
14 D 1st L.	358 22 16	9 α Lyræ. *	277 11 13,6	24 α Aquilæ. *	294 44 47,4
15 α Lyræ. *	277 11 21,4	α Aquilæ. *	294 44 50,1	α Cygni. *	308 17 59
α Cygni. *	308 18 14,4	α Cygni. *	308 18 4,4	D 2d L.	184 10 55
D 1st L.	12 53 51	D 1st L.	337 53 1	Spica Virginis. *	198 7 21,8
16 Arcturus. *	211 9 30	11 α Cygni. *	308 18 3,6	Arcturus. *	211 9 36,2
α Lyræ. *	277 11 21	12 D 1st L.	20 17 50	25 α Lyræ. *	277 11 10
α Aquilæ. *	294 44 55,6	Aldebaran. *	65 31 41,8	α Cygni. *	308 17 58,4
D 2d L.	27 56 20	13 α Aquilæ. *	294 44 49,1	Arcturus. *	211 9 36,5
α Orionis. *	85 31 41,8	D 1st L.	34 29 24	26 α Lyræ. *	277 11 9,8
Procyon. *	111 39 46	14 α Cygni. *	308 18 2,5	α Aquilæ. *	294 44 47
Pollux. *	112 37 39,8	15 D 2d L.	64 19 43,0	α Cygni. *	308 17 58
17 α Lyræ. *	277 11 20,7	Aldebaran. *	65 31 42,6	28 α Aquilæ. *	294 44 46,8
α Cygni. *	308 18 13,7	Capella. *	74 43 50,8	α Cygni. *	308 17 57,6
D 2d L.	42 28 15	Rigel. *	75 44 28	DECEMBER.	
Regulus. *	148 52 7,5	Arcturus. *	211 9 34	7 α Aquilæ. *	294 44 45,6
18 Arcturus. *	211 9 30	16 α Lyræ. *	277 11 11,8	α Cygni. *	308 17 55,4
19 D 2d L.	71 54 13	α Aquilæ. *	294 44 48,7	D 1st L.	347 43 30
Procyon. *	111 39 47,4	α Cygni. *	308 18 1,8	Aldebaran. *	65 31 45,7
Pollux. *	112 37 41,4	Capella. *	74 43 51,2	Arcturus. *	211 9 40,7
Regulus. *	148 52 8,4	Rigel. *	75 44 28,3	8 D 1st L.	1 30 0
21 α Lyræ. *	277 11 19,4	D 2d L.	79 19 12	10 Aldebaran. *	65 31 46
α Aquilæ. *	294 44 54,5	α Orionis. *	85 31 53,5	13 α Aquilæ. *	294 44 45
α Cygni. *	308 18 12,2	18 α Cygni. *	308 18 1	Aldebaran. *	65 31 46,2
Syrus. *	98 37 46	20 α Aquilæ. *	294 44 48,1	D 1st L.	71 35 29
D 2d L.	101 8 16	α Cygni. *	308 18 0,4	Capella. *	74 43 57,6
Procyon. *	111 39 48,4	D 2d L.	136 25 22	Rigel. *	75 44 32,8
Pollux. *	112 37 42,4	21 α Aquilæ. *	294 44 48	Arcturus. *	211 9 42,7
23 Arcturus. *	211 9 30,5	α Cygni. *	308 18 0	16 Castor. *	109 47 47
26 α Aquilæ. *	294 44 53,5	Regulus. *	148 52 23,2	Procyon. *	111 40 10,5
D 2d L.	165 39 34	D 2d L.	149 6 16	Pollux. *	112 38 8,2
27 Arcturus. *	211 9 30,7	Arcturus. *	211 9 35,5	D 2d L.	116 33 36
NOVEMBER.		22 α Lyræ. *	277 11 10,6	18 Aldebaran. *	65 31 46,4
5 α Lyræ. *	277 11 14,8	α Aquilæ. *	294 44 47,8	Capella. *	74 43 58
D 1st L.	278 14 8	α Cygni. *	308 17 59,6	Rigel. *	75 44 33,3
α Cygni. *	308 18 5,8	D 2d L.	161 10 28	D 2d L.	143 41 22
Arcturus. *	211 9 32	Arcturus. *	211 9 35,7	Arcturus. *	211 9 44,3
8 α Aquilæ. *	294 44 50,3	23 α Aquilæ. *	294 44 47,6	19 α Aquilæ. *	294 44 44,5
α Cygni. *	308 18 4,8	α Cygni. *	308 17 59,3	α Cygni. *	308 17 52
D 1st L.	323 16 48	D 2d L.	172 48 1	21 Arcturus. *	211 9 45
Arcturus. *	211 9 32,5	Arcturus. *	211 9 35,7		
		24 α Lyræ. *	277 11 10,2		

In the YEAR MDCC LIX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		JANUARY.		MARCH.	
	° ' "		° ' "		° ' "
2 1st L.	328 48 37	20 Aldebaran.	65 31 43,8	5 Aldebaran.	65 31 34,7
Castor.	109 47 51	Capella.	74 43 56,2	1st L.	71 23 5
Procyon.	111 40 14,3	Rigel.	75 44 32	Capella.	74 43 43,4
Pollux.	112 38 12,4	α Orionis.	85 32 1	Rigel.	75 44 22,7
		Castor.	109 47 54		
3 1st L.	343 24 38	Procyon.	111 40 16,7	6 1st L.	85 56 44
Aldebaran.	65 31 45,4	Pollux.	112 38 15,3	Procyon.	111 40 13,8
Capella.	74 43 57,8	1st L.	208 44 54	Pollux.	112 38 12,6
		Arcturus.	211 9 59,2	Regulus.	148 52 54
5 Aldebaran.	65 31 45,2	α Aquilæ.	294 44 46,5		
Capella.	74 43 57,5			7 Aldebaran.	65 31 34
Rigel.	75 44 33	21 Aldebaran.	65 31 43,5	Capella.	74 43 43
α Orionis.	85 32 1,3	Capella.	74 43 55,8	Rigel.	75 44 22,1
		α Orionis.	85 32 1,1	α Orionis.	85 31 53,5
6 α Aquilæ.	294 44 45	1st L.	220 28 42	Syrus.	98 38 0,8
α Cygni.	308 17 48,6	α Lyrae.	277 11 11,4	1st L.	100 24 56
1st L.	24 32 5	α Aquilæ.	294 44 46,6	Castor.	109 47 50,3
Aldebaran.	65 31 45,1			Procyon.	111 40 13,6
Capella.	74 43 57,3	22 Syrius.	98 38 7,8	Pollux.	112 38 12,4
Rigel.	75 44 32,7	Castor.	109 47 54,2		
α Orionis.	85 32 1,3	Procyon.	111 40 17	9 1st L.	128 16 46
		Pollux.	112 38 15,7		
8 1st L.	51 51 36	1st L.	232 49 17	10 Aldebaran.	65 31 33,6
Aldebaran.	65 31 45			Capella.	74 43 42,1
Capella.	74 43 57,1	23 Aldebaran.	65 31 43	Rigel.	75 44 21,6
Rigel.	75 44 32,5	Capella.	74 43 55,2	α Orionis.	85 31 53
α Orionis.	85 32 1,3	Rigel.	75 44 31	Syrus.	98 37 59,9
Syrus.	98 38 7,6	α Orionis.	85 32 0,8	Castor.	109 47 49,7
Castor.	109 47 52	Procyon.	111 40 17	Procyon.	111 40 13,2
Procyon.	111 40 15,2	Pollux.	112 38 15,5	Pollux.	112 38 12
Pollux.	112 38 13,4	1st L.	245 58 34	1st L.	141 22 51
				Regulus.	148 52 54
12 1st L.	109 47 39	28 Aldebaran.	65 31 42,5	α Aquilæ.	294 45 1,2
Procyon.	111 40 15,7				
Pollux.	112 38 14,2	FEBRUARY.		11 Capella.	74 43 41,8
α Lyrae.	277 11 9,6			Rigel.	75 44 21,4
		3 1st L.	33 53 14	α Orionis.	85 31 52,7
13 Aldebaran.	65 31 44,5	Aldebaran.	65 31 41,3	Syrus.	98 37 59,8
Capella.	74 43 56,8	Capella.	74 43 52,6	Castor.	109 47 49,5
Rigel.	75 44 32,3	Rigel.	75 44 29	Procyon.	111 40 13
α Orionis.	85 32 1,3	α Orionis.	85 31 59,5	Pollux.	112 38 11,8
Procyon.	111 40 15,9			Regulus.	148 52 54
Pollux.	112 38 14,4	4 1st L.	47 40 40,2	1st L.	153 52 32
1st L.	124 32 16	Capella.	74 43 52,8	α Lyrae.	277 11 32,8
		α Orionis.	85 31 59,7	α Aquilæ.	294 45 1,6
14 Aldebaran.	65 31 44,4	Syrus.	98 38 6,7	α Cygni.	308 18 0
Capella.	74 43 56,7				
Rigel.	75 44 32,2	6 Aldebaran.	65 31 40,6	12 Aldebaran.	65 31 33,2
1st L.	138 5 32	Capella.	74 43 52	α Orionis.	85 31 52,5
		Rigel.	75 44 29	Syrus.	98 37 59,6
16 1st L.	163 8 15	α Orionis.	85 31 59,2	Castor.	109 47 49,3
				Procyon.	111 40 12,8
17 Aldebaran.	65 31 44	7 Capella.	74 43 51,7	Pollux.	112 38 11,6
Capella.	74 43 56,3	α Orionis.	85 31 58,8	Regulus.	148 52 54
Rigel.	75 44 32	1st L.	90 22 1	1st L.	165 49 51
α Orionis.	85 32 1	Syrus.	98 38 6,2		
1st L.	174 48 39	Procyon.	111 40 16,7	13 Aldebaran.	65 31 33
		Pollux.	112 38 15,8	Rigel.	75 44 21,2
18 1st L.	186 9 17			α Orionis.	85 31 52,3
Spica Virginis.	198 7 44,6	11 Rigel.	75 44 28	Syrus.	98 37 59,6
Arcturus.	211 9 58,3	Syrus.	98 38 5,6	Procyon.	111 40 12,8
		Procyon.	111 40 16,5	Pollux.	112 38 11,6
19 α Orionis.	85 32 1	Pollux.	112 38 15,2	1st L.	177 52 51
Procyon.	111 40 16,5	1st Center.	145 50 4	α Aquilæ.	294 45 2,5
Pollux.	112 38 15,2	Regulus.	148 52 52		
1st L.	197 23 22			16 Aldebaran.	65 31 32,4
Spica Virginis.	198 7 45			Capella.	74 43 40,3
Arcturus.	211 9 58,7			Rigel.	75 44 20,4
				α Orionis.	85 31 51,6

In the YEAR M DCC LVIII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
OCTOBER.		NOVEMBER.		NOVEMBER.	
	° ' "		° ' "		° ' "
14 D 1st L.	358 22 16	9 α Lyræ.	277 11 13,6	24 α Aquilæ.	294 44 47,4
15 α Lyræ.	277 11 21,4	α Aquilæ.	294 44 50,1	α Cygni.	308 17 59
α Cygni.	308 18 14,4	α Cygni.	308 18 4,4	D 2d L.	184 10 55
D 1st L.	12 53 51	D 1st L.	337 53 1	Spica Virginis.	198 7 21,8
16 Arcturus.	211 9 30	11 α Cygni.	308 18 3,6	Arcturus.	211 9 30,2
α Lyræ.	277 11 21	12 D 1st L.	20 17 50	25 α Lyræ.	277 11 10
α Aquilæ.	294 44 55,6	Aldebaran.	65 31 41,8	α Cygni.	308 17 58,4
D 2d L.	27 56 20	13 α Aquilæ.	294 44 49,1	Arcturus.	211 9 36,5
α Orionis.	85 31 41,8	D 1st L.	34 29 24	26 α Lyræ.	277 11 9,8
Procyon.	111 39 46	14 α Cygni.	308 18 2,5	α Aquilæ.	294 44 47
Pollux.	112 37 39,8	15 D 2d L.	64 19 43,0	α Cygni.	308 17 58
17 α Lyræ.	277 11 20,7	Aldebaran.	65 31 42,6	28 α Aquilæ.	294 44 46,8
α Cygni.	308 18 13,7	Capella.	74 43 50,8	α Cygni.	308 17 57,6
D 2d L.	42 28 15	Rigel.	75 44 28	DECEMBER.	
Regulus.	148 52 7,5	Arcturus.	211 9 34	7 α Aquilæ.	294 44 45,6
18 Arcturus.	211 9 30	16 α Lyræ.	277 11 11,8	α Cygni.	308 17 55,4
19 D 2d L.	71 54 13	α Aquilæ.	294 44 48,7	D 1st L.	347 43 30
Procyon.	111 39 47,4	α Cygni.	308 18 1,8	Aldebaran.	65 31 45,7
Pollux.	112 37 41,4	Capella.	74 43 51,2	Arcturus.	211 9 40,7
Regulus.	148 52 8,4	Rigel.	75 44 28,3	8 D 1st L.	1 30 0
21 α Lyræ.	277 11 19,4	D 2d L.	79 19 12	10 Aldebaran.	65 31 46
α Aquilæ.	294 44 54,5	α Orionis.	85 31 53,5	13 α Aquilæ.	294 44 45
α Cygni.	308 18 12,2	18 α Cygni.	308 18 1	Aldebaran.	65 31 46,2
Syrus.	98 37 46	20 α Aquilæ.	294 44 48,1	D 1st L.	71 35 29
D 2d L.	101 8 16	α Cygni.	308 18 0,4	Capella.	74 43 57,6
Procyon.	111 39 48,4	D 2d L.	136 25 22	Rigel.	75 44 32,8
Pollux.	112 37 42,4	21 α Aquilæ.	294 44 48	Arcturus.	211 9 42,7
23 Arcturus.	211 9 30,5	α Cygni.	308 18 0	16 Castor.	109 47 47
26 α Aquilæ.	294 44 53,5	Regulus.	148 52 23,2	Procyon.	111 40 10,5
D 2d L.	165 39 34	D 2d L.	149 6 16	Pollux.	112 38 8,2
27 Arcturus.	211 9 30,7	Arcturus.	211 9 35,5	D 2d L.	116 33 36
NOVEMBER.		22 α Lyræ.	277 11 10,6	18 Aldebaran.	65 31 46,4
5 α Lyræ.	277 11 14,8	α Aquilæ.	294 44 47,8	Capella.	74 43 58
D 1st L.	278 14 8	α Cygni.	308 17 59,6	Rigel.	75 44 33,3
α Cygni.	308 18 5,8	D 2d L.	161 10 28	D 2d L.	143 41 22
Arcturus.	211 9 32	Arcturus.	211 9 35,7	Arcturus.	211 9 44,3
8 α Aquilæ.	294 44 50,3	23 α Aquilæ.	294 44 47,6	19 α Aquilæ.	294 44 44,5
α Cygni.	308 18 4,8	α Cygni.	308 17 59,3	α Cygni.	308 17 52
D 1st L.	323 16 48	D 2d L.	172 48 1	21 Arcturus.	211 9 45
Arcturus.	211 9 32,5	Arcturus.	211 9 35,7		
		24 α Lyræ.	277 11 10,2		

In the YEAR MDCC LIX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		JANUARY.		MARCH.	
2 γ 1st L.	328 48 37	20 Aldebaran.	65 31 43,8	5 Aldebaran.	65 31 34,7
Castor.	109 47 51	Capella.	74 43 56,2	γ 1st L.	71 23 5
Procyon.	111 40 14,3	Rigel.	75 44 32	Capella.	74 43 43,4
Pollux.	112 38 12,4	α Orionis.	85 32 1	Rigel.	75 44 22,7
3 γ 1st L.	343 24 38	Castor.	109 47 54	6 γ 1st L.	85 56 44
Aldebaran.	65 31 45,4	Procyon.	111 40 16,7	Procyon.	111 40 13,8
Capella.	74 43 57,8	Pollux.	112 38 15,3	Pollux.	112 38 12,6
5 Aldebaran.	65 31 45,2	γ 2d L.	208 44 54	Regulus.	148 52 54
Capella.	74 43 57,5	Arcturus.	211 9 59,2	7 Aldebaran.	65 31 34
Rigel.	75 44 33	α Aquilæ.	294 44 46,5	Capella.	74 43 43
α Orionis.	85 32 1,3	21 Aldebaran.	65 31 43,5	Rigel.	75 44 22,1
6 α Aquilæ.	294 44 45	Capella.	74 43 55,8	α Orionis.	85 31 53,5
α Cygni.	308 17 48,6	α Orionis.	85 32 1,1	Syrius.	98 38 0,8
γ 1st L.	24 32 5	γ 2d L.	220 28 42	γ 1st L.	100 24 56
Aldebaran.	65 31 45,1	α Lyrae.	277 11 11,4	Castor.	109 47 50,3
Capella.	74 43 57,3	α Aquilæ.	294 44 46,6	Procyon.	111 40 13,6
Rigel.	75 44 32,7	22 Syrius.	98 38 7,8	Pollux.	112 38 12,4
α Orionis.	85 32 1,3	Castor.	109 47 54,2	9 γ 1st L.	128 16 46
8 γ 1st L.	51 51 36	Procyon.	111 40 17	10 Aldebaran.	65 31 33,6
Aldebaran.	65 31 45	Pollux.	112 38 15,7	Capella.	74 43 42,1
Capella.	74 43 57,1	γ 2d L.	232 49 17	Rigel.	75 44 21,6
Rigel.	75 44 32,5	23 Aldebaran.	65 31 43	α Orionis.	85 31 53
α Orionis.	85 32 1,3	Capella.	74 43 55,2	Syrius.	98 37 59,9
Syrius.	98 38 7,6	Rigel.	75 44 31	Castor.	109 47 49,7
Castor.	109 47 52	α Orionis.	85 32 0,8	Procyon.	111 40 1,2
Procyon.	111 40 15,2	Procyon.	111 40 17	Pollux.	112 38 12
Pollux.	112 38 13,4	Pollux.	112 38 15,5	γ 1st L.	141 22 51
12 γ 1st L.	109 47 39	γ 2d L.	245 58 34	Regulus.	148 52 54
Procyon.	111 40 15,7	28 Aldebaran.	65 31 42,5	α Aquilæ.	294 45 1,2
Pollux.	112 38 14,2	FEBRUARY.		11 Capella.	74 43 41,8
α Lyrae.	277 11 9,6	3 γ 1st L.	33 53 14	Rigel.	75 44 21,4
13 Aldebaran.	65 31 44,5	Aldebaran.	65 31 41,3	α Orionis.	85 31 52,7
Capella.	74 43 56,8	Capella.	74 43 52,6	Syrius.	98 37 59,8
Rigel.	75 44 32,3	Rigel.	75 44 29	Castor.	109 47 49,5
α Orionis.	85 32 1,3	α Orionis.	85 31 59,5	Procyon.	111 40 13
Procyon.	111 40 15,9	4 γ 1st L.	47 40 40,2	Pollux.	112 38 11,8
Pollux.	112 38 14,4	Capella.	74 43 52,8	Regulus.	148 52 54
γ 2d L.	124 32 16	α Orionis.	85 31 59,7	γ 1st L.	153 52 32
14 Aldebaran.	65 31 44,4	Syrius.	98 38 6,7	α Lyrae.	277 11 32,8
Capella.	74 43 56,7	6 Aldebaran.	65 31 40,6	α Aquilæ.	294 45 1,6
Rigel.	75 44 32,2	Capella.	74 43 52	α Cygni.	308 18 0
γ 2d L.	138 5 32	Rigel.	75 44 29	12 Aldebaran.	65 31 33,2
16 γ 2d L.	163 8 15	α Orionis.	85 31 59,2	α Orionis.	85 31 52,5
17 Aldebaran.	65 31 44	7 Capella.	74 43 51,7	Syrius.	98 37 59,6
Capella.	74 43 56,3	α Orionis.	85 31 58,8	Castor.	109 47 49,3
Rigel.	75 44 32	γ 1st L.	90 22 1	Procyon.	111 40 12,8
α Orionis.	85 32 1	Syrius.	98 38 6,2	Pollux.	112 38 11,6
γ 2d L.	174 48 39	Procyon.	111 40 16,7	Regulus.	148 52 54
18 γ 2d L.	186 9 17	Pollux.	112 38 15,8	γ 1st L.	165 49 51
Spica Virginis.	198 7 44,6	11 Rigel.	75 44 28	13 Aldebaran.	65 31 33
Arcturus.	211 9 58,3	Syrius.	98 38 5,6	Rigel.	75 44 21,2
19 α Orionis.	85 32 1	Procyon.	111 40 16,5	α Orionis.	85 31 52,3
Procyon.	111 40 15,5	Pollux.	112 38 15,2	Syrius.	98 37 59,6
Pollux.	112 38 15,2	γ Center.	145 50 4	Procyon.	111 40 12,8
γ 2d L.	197 23 22	Regulus.	148 52 52	Pollux.	112 38 11,6
Spica Virginis.	198 7 45	16 Aldebaran.	65 31 32,4	γ 2d L.	177 52 51
Arcturus.	211 9 58,7	Capella.	74 43 40,3	α Aquilæ.	294 45 2,5
		Rigel.	75 44 20,4	16 Aldebaran.	65 31 32,4
		α Orionis.	85 31 51,6	Capella.	74 43 40,3
				Rigel.	75 44 20,4
				α Orionis.	85 31 51,6

In the YEAR MDCC LIX.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
MARCH.				APRIL.				MAY.			
16	Procyon.	*	111 40 12,2	12	2d L.	*	207 59 49	2	Procyon.	*	111 40 3,3
	Pollux.	*	112 38 10,8		Arcturus.	*	211 10 29,4		Pollux.	*	112 38 0,8
	Arcturus.	*	211 10 22,5						1st L.	*	118 43 2
	2d L.		211 44 5						Hydræ Contin.	*	196 28 29
17	Aldebaran.	*	65 31 32,2	13	Castor.	*	109 47 41,7		Spica Virginis.	*	198 8 12,6
	Capella.	*	74 43 40		Procyon.	*	111 40 6,3				
	Rigel.	*	75 44 20,2		Pollux.	*	112 38 4,5				
	Castor.	*	109 47 48,1		Spica Virginis.	*	198 8 11,4				
	Procyon.	*	111 40 12		2d L.		219 34 33				
	Pollux.	*	112 38 9,6	14	2d L.		231 36 20	3	Pollux.	*	112 38 0,8
	2d L.		223 24 8						1st L.	*	132 39 8
22	Capella.	*	74 43 38,5	15	2d L.	*	244 13 22		Regulus.	*	148 52 48
	Orionis.	*	85 31 50,2		α Lyrae.	*	277 11 50,8	5	Procyon.	*	111 40 2,6
	Syrius.	*	98 37 57,2		α Cygni.	*	308 18 16,7		Pollux.	*	112 38 0,3
	Procyon.	*	111 40 11	16	Regulus.	*	148 52 51				
	Pollux.	*	112 38 9,8					6	Aldebaran.	*	65 31 27,8
	2d L.		291 15 53	17	Pollux.	*	112 38 3,5		1st L.		169 52 8
	α Aquilæ.	*	294 45 6,4		Regulus.	*	148 52 50,7				
	α Cygni.	*	308 18 5		2d L.		271 27 35	7	Regulus.	*	148 52 47,5
27	Castor.	*	109 47 46		α Lyrae.	*	277 11 51,8				
	Procyon.	*	111 40 10		α Aquilæ.	*	294 45 18	8	1st L.	*	192 25 37
	Pollux.	*	112 38 8,6		α Cygni.	*	308 18 18		Arcturus.	*	211 10 32,6
31	Aldebaran.	*	65 31 29,4	18	Procyon.	*	111 40 5,2	9	Spica Virginis.	*	198 8 12,6
	Orionis.	*	85 31 48,4		Pollux.	*	112 38 3,3		1st L.		203 39 16
	Procyon.	*	111 40 9		2d L.		285 56 52	10	Arcturus.	*	211 10 32,8
	Pollux.	*	112 38 7,5		α Aquilæ.	*	294 45 18,5		1st L.	*	215 7 34
									α Cygni.	*	308 18 16,6
				19	α Cygni.	*	308 18 19,1	12	Syrius.	*	98 37 46,1
				21	Spica Virginis.	*	198 8 12	14	Orionis.	*	85 31 42,2
					Arcturus.	*	211 10 30		Procyon.	*	111 40 0,8
									Pollux.	*	112 37 58,2
				25	Aldebaran.	*	65 31 27,6	15	α Lyrae.	*	277 12 4,8
					Orionis.	*	85 31 44,2		2d L.		281 30 49
					Procyon.	*	111 40 4		α Aquilæ.	*	294 45 30,6
					Pollux.	*	112 38 2				
				29	Aldebaran.	*	65 31 27,1	16	Aldebaran.	*	65 31 26,7
					Capella.	*	74 43 30,3		Capella.	*	74 43 28,4
					Rigel.	*	75 44 13		Rigel.	*	75 44 11,3
					Orionis.	*	85 31 43,8		Orionis.	*	85 31 41,6
				30	Aldebaran.	*	65 31 27		Procyon.	*	111 40 0,4
					Capella.	*	74 43 30,2		Pollux.	*	112 37 58
					Rigel.	*	75 44 13	17	Capella.	*	74 43 29,6
					Orionis.	*	85 31 43,7		Syrius.	*	98 37 46
					1st L.		88 43 14		α Cygni.	*	308 18 20,4
					Procyon.	*	111 40 3,3		2d L.		310 57 6
					Pollux.	*	112 38 1,2	18	Regulus.	*	148 52 45,5
									2d L.		325 29 37

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Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
M A Y.		J U N E.		J U L Y.	
	° ' "		° ' "		° ' "
25 <i>Arcturus.</i> *	211 10 32,3	18 <i>Spica Virginis.</i> *	198 8 8,2	7 <i>Rigel.</i> *	75 44 19,4
27 <i>α Orionis.</i> *	85 31 42,3	<i>Arcturus.</i> *	211 10 29,8	<i>Syrus.</i> *	98 37 46,4
<i>Syrus.</i> *	98 37 45	<i>Capella.</i> *	74 43 34	8 <i>Antares.</i> *	243 40 30,5
<i>Procyon.</i> *	111 40 0	19 <i>Regulus.</i> *	148 52 39,3	<i>β 1st L.</i> *	270 12 35
<i>Pollux.</i> *	112 37 57	<i>Spica Virginis.</i> *	198 8 8	<i>α Aquilæ.</i> *	294 45 46
J U N E.		<i>Arcturus.</i> *	211 10 29,7	<i>Capella.</i> *	74 43 40,8
1 <i>Arcturus.</i> *	211 10 32	<i>Capella.</i> *	74 43 34,2	<i>Rigel.</i> *	75 44 19,5
2 <i>α Orionis.</i> *	85 31 42,3	<i>Rigel.</i> *	75 44 15	<i>α Orionis.</i> *	85 31 47,8
<i>β 1st L.</i> *	165 30 36	<i>α Orionis.</i> *	85 31 44	9 <i>Arcturus.</i> *	211 10 27,6
<i>Spica Virginis.</i> *	198 8 11,1	20 <i>Syrus.</i> *	98 37 44,2	<i>Antares.</i> *	243 40 30,6
<i>Arcturus.</i> *	211 10 32	<i>Procyon.</i> *	111 39 57,8	<i>β Center.</i> *	285 25 42
4 <i>β 1st L.</i> *	188 20 14	<i>Pollux.</i> *	112 37 55,2	<i>α Aquilæ.</i> *	294 45 46,2
<i>Spica Virginis.</i> *	198 8 11	<i>Spica Virginis.</i> *	198 8 7,8	<i>Aldebaran.</i> *	65 31 39,1
<i>Arcturus.</i> *	211 10 32	<i>Arcturus.</i> *	211 10 29,5	<i>Capella.</i> *	74 43 41
6 <i>β 1st L.</i> *	210 50 51	<i>α Orionis.</i> *	85 31 44,2	10 <i>β 2d L.</i> *	300 57 4
7 <i>Spica Virginis.</i> *	198 8 9,7	21 <i>Spica Virginis.</i> *	198 8 7,7	<i>Aldebaran.</i> *	65 31 39,4
<i>Arcturus.</i> *	211 10 31,4	<i>Capella.</i> *	74 43 34,8	<i>Capella.</i> *	74 43 41,2
<i>β 1st L.</i> *	222 33 57	25 <i>Antares.</i> *	243 40 31,3	<i>α Orionis.</i> *	85 31 47,8
<i>α Aquilæ.</i> *	294 45 38,5	26 <i>Arcturus.</i> *	211 10 28,7	11 <i>Spica Virginis.</i> *	198 8 6
8 <i>Spica Virginis.</i> *	198 8 9,5	28 <i>Syrus.</i> *	98 37 45	<i>Antares.</i> *	243 40 30,6
<i>Arcturus.</i> *	211 10 31,3	<i>α Orionis.</i> *	85 31 45,5	<i>α Aquilæ.</i> *	294 45 46,6
<i>β 1st L.</i> *	234 51 46	29 <i>Capella.</i> *	74 43 37,3	<i>β 2d L.</i> *	316 5 36
<i>Antares.</i> *	243 40 31	30 <i>Regulus.</i> *	148 52 38	12 <i>Antares.</i> *	243 40 30,2
<i>Aldebaran.</i> *	65 31 30,3	J U L Y.		<i>β 2d L.</i> *	330 51 45
9 <i>α Orionis.</i> *	85 31 43	2 <i>Arcturus.</i> *	211 10 29	<i>Aldebaran.</i> *	65 31 40,2
<i>Syrus.</i> *	98 37 44	3 <i>Aldebaran.</i> *	65 31 37	13 <i>Spica Virginis.</i> *	198 8 5,6
<i>Procyon.</i> *	111 39 58	<i>Capella.</i> *	74 43 40	<i>Antares.</i> *	243 40 30
<i>Regulus.</i> *	148 52 40,9	<i>Rigel.</i> *	75 44 19	<i>β 2d L.</i> *	345 7 51
<i>Spica Virginis.</i> *	198 8 9,5	<i>Syrus.</i> *	98 37 46,5	<i>Aldebaran.</i> *	65 31 40,6
<i>Antares.</i> *	243 40 31,2	4 <i>Arcturus.</i> *	211 10 28,1	<i>Capella.</i> *	74 43 42,8
<i>β 1st L.</i> *	247 52 45	<i>β 1st L.</i> *	217 46 14	<i>Rigel.</i> *	75 44 20,2
10 <i>α Orionis.</i> *	85 31 43	<i>Antares.</i> *	243 40 30,8	<i>α Orionis.</i> *	85 31 48,2
<i>Aldebaran.</i> *	65 31 30,8	<i>α Aquilæ.</i> *	294 45 45,4	14 <i>Spica Virginis.</i> *	198 8 5,5
11 <i>Aldebaran.</i> *	65 31 30,9	5 <i>Arcturus.</i> *	211 10 28,6	<i>Arcturus.</i> *	211 10 27
<i>Rigel.</i> *	75 44 13,7	<i>β 1st L.</i> *	229 45 10	<i>Antares.</i> *	243 40 30
13 <i>Spica Virginis.</i> *	198 8 10,6	<i>Antares.</i> *	243 40 31	<i>β 2d L.</i> *	358 57 3
<i>Antares.</i> *	243 40 31	<i>α Aquilæ.</i> *	294 45 45,5	<i>Aldebaran.</i> *	65 31 41
<i>α Aquilæ.</i> *	294 45 40,4	<i>Aldebaran.</i> *	65 31 37,8	<i>Capella.</i> *	74 43 43,3
14 <i>α Orionis.</i> *	85 31 43,5	<i>Capella.</i> *	74 43 39,5	<i>α Orionis.</i> *	85 31 49,3
<i>Syrus.</i> *	98 37 44	6 <i>Arcturus.</i> *	211 10 28,2	<i>Syrus.</i> *	98 37 47,3
<i>Arcturus.</i> *	211 10 32,4	<i>β 1st L.</i> *	242 25 39	15 <i>β 2d L.</i> *	12 29 52:
<i>Antares.</i> *	243 40 31,1	<i>Antares.</i> *	243 40 30,8	16 <i>Arcturus.</i> *	211 10 26
<i>β 2d L.</i> *	321 11 28	<i>Capella.</i> *	74 43 40	<i>Antares.</i> *	243 40 29,6
<i>Aldebaran.</i> *	65 31 31,7	<i>Rigel.</i> *	75 44 19	<i>Syrus.</i> *	98 37 47,7
15 <i>Capella.</i> *	74 43 33,2	<i>α Orionis.</i> *	85 31 47,1	17 <i>Arcturus.</i> *	211 10 25,8
16 <i>Procyon.</i> *	111 39 57,8	<i>Syrus.</i> *	98 37 46	<i>Antares.</i> *	243 40 29,5
<i>Arcturus.</i> *	211 10 30,4	7 <i>Procyon.</i> *	111 39 59	<i>β 2d L.</i> *	39 44 54
<i>Aldebaran.</i> *	65 31 32,1	<i>Pollux.</i> *	112 37 56,2	<i>Syrus.</i> *	98 37 48
<i>Capella.</i> *	74 43 33,5	<i>Spica Virginis.</i> *	198 8 6,5	18 <i>Spica Virginis.</i> *	198 8 4,4
17 <i>Syrus.</i> *	98 37 44,2	<i>Arcturus.</i> *	211 10 27,8	<i>Arcturus.</i> *	211 10 25,6
<i>β 2d L.</i> *	3 1 41	<i>β 1st L.</i> *	255 55 0	<i>Antares.</i> *	243 40 29,4
		<i>Aldebaran.</i> *	65 31 38,8	<i>β 2d L.</i> *	53 53 49
		<i>Capella.</i> *	74 43 40,7	<i>Aldebaran.</i> *	65 31 42,8
				<i>Capella.</i> *	74 43 45,6
				<i>Rigel.</i> *	75 44 22,5
				<i>α Orionis.</i> *	85 31 50,7
				<i>Syrus.</i> *	98 37 48,2
				<i>Procyon.</i> *	111 40 0,6

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Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
SEPTEMBER.		OCTOBER.		NOVEMBER.	
	° ' "		° ' "		° ' "
10 Aldebaran. *	65 32 7,2	6 Regulus. *	148 52 51	3 α Lyræ. *	277 11 45
11 α Lyræ. *	277 12 3	7 Arcturus. *	211 10 13,4	α Aquilæ. *	294 45 34
α Aquilæ. *	294 45 45,2	α Aquilæ. *	294 45 40	δ 1st L. *	29 5 50
δ 2d L. *	59 15 55	δ 2d L. *	37 44 8	Regulus. *	148 53 2,8
12 α Aquilæ. *	294 45 45	α Orionis. *	85 32 25	Arcturus. *	211 10 15,6
δ 2d L. *	74 15 13	Castor. *	109 48 10,6	5 δ 2d L. *	60 14 44
Capella. *	74 44 18,7	Procyon. *	111 40 28,8	6 α Lyræ. *	277 11 44
Rigel. *	75 44 45,5	Pollux. *	112 38 30,3	α Aquilæ. *	294 45 33,4
13 α Aquilæ. *	294 45 44,7	8 α Lyræ. *	277 11 53,4	Capella. *	74 44 51
α Orionis. *	85 32 13,8	α Aquilæ. *	294 45 39,8	δ 2d L. *	76 19 10
δ 2d L. *	89 24 3	δ 2d L. *	52 48 49	8 δ 2d L. *	103 28 38,1
Syrus. *	98 38 8	α Orionis. *	85 32 25,5	10 δ 2d L. *	137 54 14
15 α Lyræ. *	277 12 1,4	Castor. *	109 48 11,2	Regulus. *	148 53 6
α Aquilæ. *	294 45 44,5	Procyon. *	111 40 29,3	11 α Lyræ. *	277 11 42,5
Syrus. *	98 38 8,8	Pollux. *	112 38 30,8	12 α Lyræ. *	277 11 42,2
Castor. *	109 47 58,6	12 Castor. *	109 48 13,4	α Aquilæ. *	294 45 32,3
Procyon. *	111 40 18,6	Procyon. *	111 40 31,2	13 α Aquilæ. *	294 45 32,1
Pollux. *	112 38 18,6	Pollux. *	112 38 33	δ 2d L. *	175 12 0
δ 2d L. *	119 6 48	δ 2d L. *	114 33 54	Arcturus. *	211 10 17,5
16 Syrus. *	98 38 9,3	13 Arcturus. *	211 10 13,6	14 δ 2d L. *	186 28 59
Castor. *	109 47 58,8	α Aquilæ. *	294 45 38,7	15 α Aquilæ. *	294 45 31,7
Procyon. *	111 40 19	δ 2d L. *	128 57 41	δ 2d L. *	197 35 4
Pollux. *	112 38 18,9	Regulus. *	148 52 53,8	16 Arcturus. *	211 10 18,1
δ 2d L. *	133 9 0	14 δ 2d L. *	142 31 4	17 α Lyræ. *	277 11 41,2
28 Arcturus. *	211 10 13,7	Regulus. *	148 52 54,2	α Aquilæ. *	294 45 31,4
α Lyræ. *	277 11 57	15 Arcturus. *	211 10 13,6	Arcturus. *	211 10 18,3
Castor. *	109 48 5,6	Regulus. *	148 52 54,6	19 α Aquilæ. *	294 45 31
Procyon. *	111 40 25	17 α Aquilæ. *	294 45 37,8	23 α Lyræ. *	277 11 41,2
29 α Lyræ. *	277 11 56,6	18 Regulus. *	148 52 55,8	α Aquilæ. *	294 45 30,4
δ 1st L. *	279 52 15	19 Arcturus. *	211 10 13,7	6 Aquarii. *	330 2 57
α Aquilæ. *	294 45 41,7	Regulus. *	148 52 56,2	27 α Aquilæ. *	294 45 29,7
Regulus. *	148 52 48,6	20 Arcturus. *	211 10 13,8	α Cygni. *	308 18 26,3
30 α Lyræ. *	277 11 56,3	α Lyræ. *	277 11 49,2	δ 1st L. *	340 54 40
δ 1st L. *	294 28 0	α Aquilæ. *	294 45 37	28 δ 1st L. *	354 28 4
α Aquilæ. *	294 45 41,5	26 Regulus. *	148 52 59,6	Aldebaran. *	65 32 35
α Cygni. *	308 18 48,2	28 δ 1st L. *	303 28 10	Capella. *	74 44 58,6
OCTOBER.		α Cygni. *	308 18 38	Rigel. *	75 45 13,4
		30 α Cygni. *	308 18 37	Regulus. *	148 53 14,6
1 Arcturus. *	211 10 13,6	Regulus. *	148 53 1	Spica Virginis. *	198 8 10,6
α Lyræ. *	277 11 56	31 Arcturus. *	211 10 15,3	Arcturus. *	211 10 21
α Aquilæ. *	294 45 41,3	NOVEMBER.		29 α Lyræ. *	277 11 39
2 α Lyræ. *	277 11 55,6			α Cygni. *	308 18 25,7
α Aquilæ. *	294 45 41	1 α Lyræ. *	277 11 45,5	δ 1st L. *	8 1 17
δ 1st L. *	324 12 18	α Aquilæ. *	294 45 34,4	Spica Virginis. *	198 8 11
4 α Lyræ. *	277 11 54,8	α Cygni. *	308 18 36,5	Arcturus. *	211 10 21,3
α Aquilæ. *	294 45 40,8	δ 1st L. *	0 24 3	30 α Aquilæ. *	294 45 29,1
δ 1st L. *	353 29 41	2 α Lyræ. *	277 11 45,2	α Cygni. *	308 18 25,3
α Orionis. *	85 32 23,7	α Aquilæ. *	294 45 34,2	δ 1st L. *	21 48 33
Syrus. *	98 38 17,6	δ 1st L. *	14 34 39	Aldebaran. *	65 32 35,3
5 α Aquilæ. *	294 45 40,4	Regulus. *	148 53 2,4		
δ 1st L. *	7 56 17	Arcturus. *	211 10 15,5		
6 Arcturus. *	211 10 13,4				
α Aquilæ. *	294 45 40,2				
δ 2d L. *	23 0 43				
α Orionis. *	85 32 24,5				

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Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
SEPTEMBER.		OCTOBER.		NOVEMBER.	
	° ' "		° ' "		° ' "
10 Aldebaran. *	65 32 7,2	6 Regulus. *	148 52 51	3 α Lyræ. *	277 11 45
11 α Lyræ. *	277 12 3	7 Arcturus. *	211 10 13,4	α Aquilæ. *	294 45 34
α Aquilæ. *	294 45 45,2	β 2d L. *	37 44 8	β 1st L. *	29 3 56
β 2d L. *	59 15 55	α Orionis. *	85 32 25	Regulus. *	148 53 2,8
12 α Aquilæ. *	294 45 45	Castor. *	109 48 10,6	Arcturus. *	211 10 15,6
β 2d L. *	74 15 13	Procyon. *	111 40 28,8		
Capella. *	74 44 18,7	Pollux. *	112 38 30,3	5 β 2d L. *	60 14 44
Rigel. *	75 44 45,5			6 α Lyræ. *	277 11 44
13 α Aquilæ. *	294 45 44,7	8 α Lyræ. *	277 11 53,4	α Aquilæ. *	294 45 33,4
α Orionis. *	85 32 13,8	α Aquilæ. *	294 45 39,8	Capella. *	74 44 51
β 2d L. *	89 24 3	β 2d L. *	52 48 49	β 2d L. *	76 19 10
Syrus. *	98 38 8	α Orionis. *	85 32 25,5	8 β 2d L. *	108 28 38
15 α Lyræ. *	277 12 1,4	Castor. *	109 48 11,2	10 β 2d L. *	137 54 14
α Aquilæ. *	294 45 44,5	Procyon. *	111 40 29,3	Regulus. *	148 53 6
Syrus. *	98 38 8,8	Pollux. *	112 38 30,8	11 α Lyræ. *	277 11 42,5
Castor. *	109 47 58,6	12 Castor. *	109 48 13,4	12 α Lyræ. *	277 11 42,2
Procyon. *	111 40 18,6	Procyon. *	111 40 31,2	α Aquilæ. *	294 45 32,3
Pollux. *	112 38 18,6	Pollux. *	112 38 33	13 α Aquilæ. *	294 45 32,1
β 2d L. *	119 6 48	β 2d L. *	114 33 54	β 2d L. *	175 12 0
16 Syrus. *	98 38 9,3	13 Arcturus. *	211 10 13,6	Arcturus. *	211 10 17,5
Castor. *	109 47 58,8	α Aquilæ. *	294 45 38,7		
Procyon. *	111 40 19	β 2d L. *	128 57 41	14 β 2d L. *	186 28 59
Pollux. *	112 38 18,9	Regulus. *	148 52 53,8	15 α Aquilæ. *	294 45 31,7
β 2d L. *	133 9 0	14 β 2d L. *	142 31 4	β 2d L. *	197 35 4
28 Arcturus. *	211 10 13,7	Regulus. *	148 52 54,2	16 Arcturus. *	211 10 18,1
α Lyræ. *	277 11 57	15 Arcturus. *	211 10 13,6		
Castor. *	109 48 5,6	Regulus. *	148 52 54,6	17 α Lyræ. *	277 11 41,2
Procyon. *	111 40 25	17 α Aquilæ. *	294 45 37,8	α Aquilæ. *	294 45 31,4
29 α Lyræ. *	277 11 56,6	18 Regulus. *	148 52 55,8	Arcturus. *	211 10 18,3
β 1st L. *	279 52 15	19 Arcturus. *	211 10 13,7		
α Aquilæ. *	294 45 41,7	Regulus. *	148 52 56,2	19 α Aquilæ. *	294 45 31
Regulus. *	148 52 48,6	20 Arcturus. *	211 10 13,8		
30 α Lyræ. *	277 11 56,3	α Lyræ. *	277 11 49,2	23 α Lyræ. *	277 11 41,2
β 1st L. *	294 28 0	α Aquilæ. *	294 45 37	α Aquilæ. *	294 45 30,4
α Aquilæ. *	294 45 41,5			6 Aquarii. *	330 2 57
α Cygni. *	308 18 48,2	26 Regulus. *	148 52 59,6	27 α Aquilæ. *	294 45 29,7
		28 β 1st L. *	303 28 10	α Cygni. *	308 18 26,3
		α Cygni. *	308 18 38	β 1st L. *	340 54 40
		30 α Cygni. *	308 18 37	28 β 1st L. *	354 28 4
		Regulus. *	148 53 1	Aldebaran. *	65 32 35
		31 Arcturus. *	211 10 15,3	Capella. *	74 44 58,6
				Rigel. *	75 45 13,4
				Regulus. *	148 53 14,6
				Spica Virginis. *	198 8 10,6
				Arcturus. *	211 10 21
				29 α Lyræ. *	277 11 39
				α Cygni. *	308 18 25,7
				β 1st L. *	8 1 17
				Spica Virginis. *	198 8 11
				Arcturus. *	211 10 21,3
				30 α Aquilæ. *	294 45 29,1
				α Cygni. *	308 18 25,3
				β 1st L. *	21 48 33
				Aldebaran. *	65 32 35,3

In the YEAR MDCC LIX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
D E C E M B E R.		D E C E M B E R.		D E C E M B E R.	
	° ' "		° ' "		° ' "
2 β 1st L. Aldebaran. *	51 6 2 65 32 35,6	12 α Aquilæ. * α Cygni. * Aldebaran. * β 2d L. Arcturus. *	294 45 27,7 308 18 22 65 32 36,5 193 38 28 211 10 26,3	23 β 1st L. Aldebaran. *	323 0 15 65 32 36,8
3 α Aquilæ. * α Cygni. * Aldebaran. * β 1st L.	294 45 28,7 308 18 24,4 65 32 35,8 66 52 12	14 Spica Virginis. * Arcturus. * β 2d L.	198 8 17 211 10 27,2 216 2 0	25 Arcturus. *	211 10 31,4
4 Spica Virginis. *	198 8 11			26 α Lyræ. * α Aquilæ. * β 1st L. Aldebaran. *	277 11 38 294 45 27,7 3 23 8 65 32 36,8
5 α Aquilæ. * α Cygni. *	294 45 28,4 308 18 23,8	15 α Aquilæ. * α Cygni. * Aldebaran. * Regulus. * b May 16. v Hydræ. * Spica Virginis. * Arcturus. * β 2d L.	294 45 27,7 308 18 21 65 32 36,8 148 53 22,6 153 26 2 159 26 51 198 8 18 211 10 27,5 227 41 58	27 α Cygni. * β 1st L. Aldebaran. * Rigel. * α Orionis. *	308 18 18,7 16 37 27 65 32 36,8 75 45 16,4 85 32 49,4
7 α Lyræ. * α Aquilæ. * β 2d L. Regulus. *	277 11 37,8 294 45 28 131 37 42 148 53 19,4			28 β 1st L. Aldebaran. *	30 10 17 65 32 36,8
8 α Aquilæ. * β 2d L.	294 45 28 145 43 15:	17 α Aquilæ. * Regulus. * c May 21, & 24. v Hydræ. * Spica Virginis. * Arcturus. *	294 45 27 148 53 24 153 33 46 159 26 50 198 8 15 211 10 27,8	30 α Lyræ. *	277 11 38,2
10 β 2d L.	170 54 20			31 Aldebaran. * β 1st L. α Orionis. *	65 32 36,8 74 54 20 85 32 49,8
11 β 2d L. Spica Virginis. * Arcturus. *	182 26 48 198 8 15,8 211 10 26				

In the YEAR MDCC LX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
J A N U A R Y.		J A N U A R Y.		J A N U A R Y.	
	° ' "		° ' "		° ' "
1 β 1st L. Syrus. * Castor. * Procyon. * Pollux. *	91 10 35 98 38 46,5 109 48 48,6 111 41 1 112 39 8	9 Rigel. *	75 45 15,8	28 Aldebaran. * β 1st L. α Orionis. *	65 32 32,8 84 21 35 85 32 48,4
2 α Aquilæ. * Aldebaran. * β 2d L. Castor. * Procyon. * Pollux. *	294 45 28,2 65 32 36,7 108 8 4 109 48 49 111 41 1,3 112 39 8,2	12 α Lyræ. *	277 11 40	29 α Orionis. * β 1st L. Castor. * Procyon. * Pollux. * α Aquilæ. *	85 32 48,2 100 18 1 109 48 52,3 111 41 4,5 112 39 12,2 294 45 31,5
3 β 2d L.	123 58 28:	21 α Aquilæ. *	294 45 29,5	F E B R U A R Y.	
7 α Lyræ. *	277 11 39,2	22 α Cygni. * β 1st L. Aldebaran. * Rigel. *	308 18 16,8 359 23 46 65 32 34 75 45 14	2 Rigel. * α Orionis. * Castor. * Pollux. * β 2d L.	75 45 12,5 85 32 47,8 109 48 52,1 112 39 12,2 159 36 21
8 Aldebaran. * β 2d L. Spica Virginis. * α Lyræ. *	65 32 36 189 3 59 198 8 28,7 277 11 39,7	25 β 1st L. Aldebaran. * α Orionis. *	39 34 34 65 32 33,3 85 32 48,7	3 Aldebaran. * α Orionis. *	65 32 31,7 85 32 47,7
9 α Aquilæ. *	294 45 28,5	26 β 1st L. Aldebaran. * c Eridani. * α Orionis. * α Aquilæ. *	53 49 3 65 32 33,2 66 23 5 85 32 48,6 294 45 30,7		
		27 α Aquilæ. *	294 45 31		

In the YEAR MDCC LX.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
F E B R U A R Y.				F E B R U A R Y.				M A R C H.			
° ' "				° ' "				° ' "			
4	<i>α Orionis.</i>	*	85 32 47.5	28	<i>Regulus.</i>	*	148 53 42.7	22	<i>δ 1st L.</i>		74 32 34
	<i>Castor.</i>	*	109 48 52.1		<i>α Aquilæ.</i>	*	294 45 40.3		<i>Rigel.</i>	*	75 45 2.5
5	<i>Procyon.</i>	*	111 41 4.3	29	<i>α Orionis.</i>	*	85 32 43.3		<i>Syrus.</i>	*	98 38 37.5
	<i>Pollux.</i>	*	112 39 12		<i>Procyon.</i>	*	111 41 2.7		<i>Castor.</i>	*	109 48 46.3
6	<i>Aldebaran.</i>	*	65 32 31.3		<i>Pollux.</i>	*	112 39 10.1		<i>Procyon.</i>	*	111 40 59.3
	<i>Rigel.</i>	*	75 45 11.7		<i>Regulus.</i>	*	148 53 42.8		<i>Pollux.</i>	*	112 39 6.7
	<i>α Orionis.</i>	*	85 32 47.2		<i>δ 1st L.</i>		153 37 53	24	<i>α Aquilæ.</i>	*	294 45 50.8
	<i>Procyon.</i>	*	111 41 4.2	M A R C H.				27	<i>Aldebaran.</i>	*	65 32 21.6
	<i>b May 16.</i>		153 26 24	1	<i>Aldebaran.</i>	*	65 32 26.6		<i>Capella.</i>	*	74 44 42.3
	<i>δ 2d L.</i>		206 42 28		<i>Capella.</i>	*	74 44 50.1		<i>Rigel.</i>	*	75 45 1.5
7	<i>Procyon.</i>	*	111 41 4.2		<i>Rigel.</i>	*	75 45 7		<i>α Orionis.</i>	*	85 32 38
	<i>δ 2d L.</i>		218 6 4		<i>α Orionis.</i>	*	85 32 43.3		<i>Regulus.</i>	*	148 53 42.5
	<i>α Aquilæ.</i>	*	294 45 33.5		<i>Syrus.</i>	*	98 38 42.2		<i>δ 1st L.</i>		149 16 52
8	<i>Castor.</i>	*	109 48 52		<i>Castor.</i>	*	109 48 50	28	<i>Aldebaran.</i>	*	65 32 21.5
	<i>Procyon.</i>	*	111 41 4.2		<i>Procyon.</i>	*	111 41 2.6		<i>Capella.</i>	*	74 44 42
	<i>Pollux.</i>	*	112 39 12		<i>Pollux.</i>	*	112 39 10.1		<i>Rigel.</i>	*	75 45 1.2
9	<i>Aldebaran.</i>	*	65 32 30.6		<i>Regulus.</i>	*	148 53 42.8		<i>α Orionis.</i>	*	85 32 37.8
	<i>δ 2d L.</i>		242 3 43		<i>δ 2d L.</i>		166 54 7		<i>Syrus.</i>	*	98 38 36
	<i>Antares.</i>	*	243 40 40.2	4	<i>Aldebaran.</i>	*	65 32 26		<i>Castor.</i>	*	109 48 44.7
	<i>α Aquilæ.</i>	*	294 45 34		<i>Rigel.</i>	*	75 45 6.3		<i>Procyon.</i>	*	111 40 58
16	<i>Aldebaran.</i>	*	65 32 29.4		<i>α Orionis.</i>	*	85 32 42.7		<i>Pollux.</i>	*	112 39 5.3
	<i>α Orionis.</i>	*	85 32 46		<i>Procyon.</i>	*	111 41 2		<i>Regulus.</i>	*	148 53 42.4
20	<i>δ 1st L.</i>		21 30 57		<i>Regulus.</i>	*	148 53 42.8		<i>δ 1st L.</i>		162 3 48
21	<i>Castor.</i>	*	109 48 51.4		<i>δ 2d L.</i>		201 57 27	29	<i>Aldebaran.</i>	*	65 32 21.3
	<i>Procyon.</i>	*	111 41 3.8	7	<i>Aldebaran.</i>	*	65 32 25.2		<i>Capella.</i>	*	74 44 41.8
	<i>Pollux.</i>	*	112 39 10.4		<i>α Orionis.</i>	*	85 32 42		<i>Rigel.</i>	*	75 45 1
22	<i>δ 1st L.</i>		49 27 9		<i>Procyon.</i>	*	111 41 1.2		<i>α Orionis.</i>	*	85 32 37.6
	<i>Aldebaran.</i>	*	65 32 28.6		<i>δ 2d L.</i>		236 55 40		<i>Castor.</i>	*	109 48 44.5
	<i>α Orionis.</i>	*	85 32 45.3		<i>Antares.</i>	*	243 40 54.4		<i>Procyon.</i>	*	111 40 57.7
	<i>Syrus.</i>	*	98 38 44.2	8	<i>Aldebaran.</i>	*	65 32 25		<i>Pollux.</i>	*	112 39 5.1
	<i>Procyon.</i>	*	111 41 3.6		<i>Capella.</i>	*	74 44 47.6		<i>Regulus.</i>	*	148 53 42.4
	<i>Pollux.</i>	*	112 39 10.8		<i>Rigel.</i>	*	75 45 5		<i>δ 1st L.</i>		174 10 6
23	<i>α Aquilæ.</i>	*	294 45 37.8		<i>α Orionis.</i>	*	85 32 41.6	30	<i>Regulus.</i>	*	148 53 42.3
24	<i>Aldebaran.</i>	*	65 32 28		<i>Syrus.</i>	*	98 38 40.4		<i>δ 1st L.</i>		185 47 56
	<i>Rigel.</i>	*	75 45 8.4		<i>Procyon.</i>	*	111 41 1.1	31	<i>α Orionis.</i>	*	85 32 37.2
	<i>δ 1st L.</i>		79 25 2		<i>Pollux.</i>	*	112 39 8.4		<i>Syrus.</i>	*	98 38 35.2
	<i>α Orionis.</i>	*	85 32 44.5	10	<i>Aldebaran.</i>	*	65 32 24.5		<i>Castor.</i>	*	109 48 44
	<i>Procyon.</i>	*	111 41 3.3		<i>Capella.</i>	*	74 44 47		<i>Procyon.</i>	*	111 40 57.4
	<i>Pollux.</i>	*	112 39 10.8		<i>Rigel.</i>	*	75 45 4.7		<i>Pollux.</i>	*	112 39 4.6
25	<i>Aldebaran.</i>	*	65 32 27.7		<i>α Orionis.</i>	*	85 32 41.2		<i>δ 2d L.</i>		197 40 57
	<i>δ 1st L.</i>		95 0 2		<i>Castor.</i>	*	109 48 48		<i>Spica Virginis.</i>	*	198 8 58.6
	<i>Castor.</i>	*	109 48 50.7		<i>Procyon.</i>	*	111 41 1	A P R I L.			
	<i>Procyon.</i>	*	111 41 3.2		<i>Pollux.</i>	*	112 39 8.4	2	<i>Aldebaran.</i>	*	65 32 20.7
	<i>Pollux.</i>	*	112 39 10.7		<i>Regulus.</i>	*	148 53 43		<i>Regulus.</i>	*	148 53 42
	<i>Regulus.</i>	*	148 53 42.4		<i>δ 2d L.</i>		276 25 22		<i>δ 2d L.</i>		220 30 24
27	<i>Aldebaran.</i>	*	65 32 27		<i>α Lyrae.</i>	*	277 12 3		<i>α Aquilæ.</i>	*	294 45 55
	<i>Capella.</i>	*	74 44 50.7		<i>α Aquilæ.</i>	*	294 45 45	3	<i>Aldebaran.</i>	*	65 32 20.5
	<i>Rigel.</i>	*	75 45 7.5		<i>α Cygni.</i>	*	308 18 29		<i>Capella.</i>	*	74 44 40.5
	<i>Castor.</i>	*	109 48 50.4	15	<i>Rigel.</i>	*	75 45 3.6		<i>Rigel.</i>	*	75 45 0
	<i>Procyon.</i>	*	111 41 3		<i>Syrus.</i>	*	98 38 38.8		<i>α Orionis.</i>	*	85 32 36.6
	<i>Pollux.</i>	*	112 39 10.4		<i>Castor.</i>	*	109 48 47		<i>Castor.</i>	*	109 48 43.2
	<i>δ 1st L.</i>		125 41 9		<i>Procyon.</i>	*	111 41 0.4		<i>Procyon.</i>	*	111 40 56.8
28	<i>Aldebaran.</i>	*	65 32 27		<i>Pollux.</i>	*	112 39 7.6		<i>Pollux.</i>	*	112 39 4
	<i>Procyon.</i>	*	111 41 2.8	21	<i>δ 1st L.</i>		59 5 3		<i>δ 2d L.</i>		232 20 28
	<i>δ 1st L.</i>		140 5 4		<i>Aldebaran.</i>	*	65 32 22.6	4	<i>Aldebaran.</i>	*	65 32 20.4
					<i>Capella.</i>	*	74 44 44		<i>Rigel.</i>	*	75 44 59.8
					<i>Rigel.</i>	*	75 45 2.7		<i>Syrus.</i>	*	98 38 34.5
					<i>α Orionis.</i>	*	85 32 39.3		<i>Procyon.</i>	*	111 40 56.7
					<i>Syrus.</i>	*	98 38 37.7				

In the YEAR MDCC LX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
A P R I L.		A P R I L.		M A Y.	
	° ' "		° ' "		° ' "
4 Pollux. *	112 39 4	27 Castor. *	109 48 37,5	27 Spica Virginis. *	198 9 0
Regulus. *	148 53 41,8	Pollux. *	112 38 58,6	Arcturus. *	211 11 16,8
Antares. *	243 41 8,3	Regulus. *	148 53 38,3	♄ 1st L.	223 52 36
♄ 2d L.	244 39 13	♄ 1st L.	193 27 56		
		Spica Virginis. *	198 9 1		
5 Procyon. *	111 40 56,4	28 Procyon. *	111 40 51,7	28 Procyon. *	111 40 47,5
Pollux. *	112 39 3,6	Pollux. *	112 38 58,3	Pollux. *	112 38 53,4
				Spica Virginis. *	198 8 59,8
6 Regulus. *	148 53 41,5	29 Sirius. *	98 38 28,4	♄ 1st L.	235 49 40
α Aquilæ. *	294 45 56,7	Castor. *	109 48 37		
		Procyon. *	111 40 51,4	31 Regulus. *	148 53 32
7 ♄ 2d L.	284 48 8:	Pollux. *	112 38 58	Spica Virginis. *	198 8 59,5
α Aquilæ. *	294 45 57	Regulus. *	148 53 37,8	Antares. *	243 41 24,5
		♄ 1st L.	216 3 14	♄ 2d L.	275 34 31
10 Castor. *	109 48 43,4	30 ♄ 2d L.	228 15 12		
Procyon. *	111 40 55,3			J U N E.	
Pollux. *	112 39 2,3			2 Procyon. *	111 40 47,2
		M A Y.		Spica Virginis. *	198 8 59,3
11 Aldebaran. *	65 32 19,6	2 α Orionis. *	85 32 32	Antares. *	243 41 24,8
Capella. *	74 44 38,8	Sirius. *	98 38 28	♄ 2d L.	303 22 58
α Orionis. *	85 32 35,2	Regulus. *	148 53 37,2		
Sirius. *	98 38 32,8	Spica Virginis. *	198 9 0,5	3 Rigel. *	75 44 56
α Aquilæ. *	294 45 59,2			α Orionis. *	85 32 31
13 Regulus. *	148 53 40,5	9 Spica Virginis. *	198 9 0,8	Spica Virginis. *	198 8 59,2
				♄ 2d L.	317 7 49
15 Aldebaran. *	65 32 18,8	10 ♄ 2d L.	2 6 24	18 ♄ 1st L.	161 49 12
Capella. *	74 44 37,2				
Rigel. *	75 44 57,8	11 Capella. *	74 44 34	19 ♄ 1st L.	174 12 43
Sirius. *	98 38 31,5	Rigel. *	75 44 55,4	Spica Virginis. *	198 8 57,4
Procyon. *	111 40 54,3	α Orionis. *	85 32 31,3	Arcturus. *	211 11 14,8
Pollux. *	112 39 1,2	Procyon. *	111 40 49,7	Antares. *	243 41 26,2
		Regulus. *	148 53 36		
18 Capella. *	74 44 36,6	♄ 2d L.	15 44 42	21 Procyon. *	111 40 45
α Orionis. *	85 32 33,8			♄ 1st L.	197 16 6
		12 Spica Virginis. *	198 9 0,8	Spica Virginis. *	198 8 57
20 Aldebaran. *	65 32 18,4	Arcturus. *	211 11 17,4	Arcturus. *	211 11 14,5
Rigel. *	75 44 57,1				
Sirius. *	98 38 30,4	13 α Orionis. *	85 32 31,2	22 Spica Virginis. *	198 8 57
♄ 1st L.	100 32 39	Arcturus. *	211 11 17,3	♄ 1st L.	208 30 47
Castor. *	109 48 39	14 Arcturus. *	211 11 17,2	Arcturus. *	211 11 14,3
Procyon. *	111 40 53,3				
Pollux. *	112 39 0	15 Capella. *	74 44 38	23 Spica Virginis. *	198 8 56,8
		Sirius. *	98 38 26	Arcturus. *	211 11 14
22 Aldebaran. *	65 32 18,4	Spica Virginis. *	198 9 0,7	♄ 1st L.	219 54 59
Capella. *	74 44 36	Arcturus. *	211 11 17,2		
Rigel. *	75 44 57			25 Antares. *	243 41 26
α Orionis. *	85 32 33,2	22 Arcturus. *	211 11 17,2	♄ 1st L.	244 0 26
Castor. *	109 48 38,6				
Pollux. *	112 38 59,6	23 Regulus. *	148 53 33,4	27 Antares. *	243 41 26
♄ 1st L.	131 20 32	♄ 1st L.	178 32 15		
Regulus. *	148 53 39,3	Spica Virginis. *	198 9 0,2	28 Spica Virginis. *	198 8 55,7
		Arcturus. *	211 11 17	Arcturus. *	211 11 13
24 Regulus. *	148 53 38,8			Antares. *	243 41 26
♄ 1st L.	158 18 16:	24 Rigel. *	75 44 55,5	♄ 2d L.	284 55 18
		α Orionis. *	85 32 30,8		
25 ♄ 1st L.	170 30 38	Sirius. *	98 38 25	29 α Aquilæ. *	294 46 28,4
Spica Virginis. *	198 9 1	Procyon. *	111 40 48	♄ 2d L.	298 58 32
Arcturus. *	211 11 16,3	Pollux. *	112 38 53,8		
		♄ 1st L.	189 55 54	30 Spica Virginis. *	198 8 55,6
26 Sirius. *	98 38 29,2			Arcturus. *	211 11 13
Castor. *	109 48 37,7	25 ♄ 1st L.	201 7 27	Antares. *	243 41 26
Procyon. *	111 40 52			♄ 2d L.	312 54 7
Pollux. *	112 38 58,7	26 Procyon. *	111 40 47,7		
♄ 1st L.	182 9 4			J U L Y.	
		27 Procyon. *	111 40 47,6		
27 Aldebaran. *	65 32 18,1	Pollux. *	112 38 53,5	3 Aldebaran. *	65 32 29,4
Capella. *	74 44 35,2				
Rigel. *	75 44 56,4				

In the YEAR MDCC LX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JULY.		JULY.		AUGUST.	
	° ' "		° ' "		° ' "
4 <i>Arcturus.</i> *	211 11 12,2	29 <i>2d L.</i>	335 28 33	31 <i>Syrus.</i> *	98 38 43
7 <i>2d L.</i>	45 43 10	<i>Aldebaran.</i> *	65 32 39	<i>Procyon.</i> *	111 41 1,6
8 <i>α Lyræ.</i> *	277 12 45,2	<i>Capella.</i> *	74 44 56,7	<i>Pollux.</i> *	112 39 9,5
<i>α Aquilæ.</i> *	294 46 30,2		75 45 7,2		
14 <i>Aldebaran.</i> *	65 32 32,7	AUGUST.		SEPTEMBER.	
<i>α Orionis.</i> *	85 32 38,4	3 <i>α Aquilæ.</i> *	294 46 32,2	1 <i>Aldebaran.</i> *	65 32 54,5
15 <i>2d L.</i>	155 44 12	<i>2d L.</i>	40 58 11	<i>2d L.</i>	65 46 48
<i>α Aquilæ.</i> *	294 46 30,8	<i>Capella.</i> *	74 44 59,5	<i>Capella.</i> *	74 45 17
16 <i>Capella.</i> *	74 44 50,3	<i>Rigel.</i> *	75 45 12	<i>Rigel.</i> *	75 45 24,1
<i>Rigel.</i> *	75 45 5,6	<i>α Orionis.</i> *	85 32 45	<i>α Orionis.</i> *	85 32 57,4
17 <i>2d L.</i>	181 3 42	4 <i>2d L.</i>	55 18 23	<i>Syrus.</i> *	98 38 44
<i>Arcturus.</i> *	211 11 9,3	<i>Aldebaran.</i> *	65 32 41,3	7 <i>Arcturus.</i> *	211 10 59,5
<i>α Lyræ.</i> *	277 12 44,8	<i>Capella.</i> *	74 45 0	<i>Syrus.</i> *	98 38 46,1
18 <i>2d L.</i>	192 44 20	<i>Rigel.</i> *	75 45 12,4	<i>Procyon.</i> *	111 41 4,5
<i>Arcturus.</i> *	211 11 9,1	14 <i>α Aquilæ.</i> *	294 46 32	<i>Pollux.</i> *	112 39 13
<i>Antares.</i> *	243 41 24,3	<i>Jupiter's Center.</i>	325 9 10	13 <i>Arcturus.</i> *	211 10 58,8
<i>α Aquilæ.</i> *	294 46 31,4	<i>Procyon.</i> *	111 40 55,5	<i>2d L.</i>	217 28 26
<i>Aldebaran.</i> *	65 32 34,3	15 <i>Jupiter's Center.</i>	325 1 30	<i>α Lyræ.</i> *	277 12 32,7
<i>Capella.</i> *	75 44 51	<i>Saturn's Center.</i>	358 46 10	<i>α Aquilæ.</i> *	294 46 29
19 <i>2d L.</i>	204 8 55	16 <i>Jupiter's Center.</i>	324 53 54	15 <i>2d L.</i>	241 38 44
<i>Arcturus.</i> *	211 11 8,9	<i>α Orionis.</i> *	85 32 51	<i>α Lyræ.</i> *	277 12 32
<i>Antares.</i> *	243 41 24,3	18 <i>α Aquilæ.</i> *	294 46 32	<i>α Aquilæ.</i> *	294 46 28,8
20 <i>Antares.</i> *	243 41 24,2	<i>α Orionis.</i> *	85 32 51,3	<i>Procyon.</i> *	111 41 7,8
<i>Capella.</i> *	74 44 52	19 <i>Antares.</i> *	243 41 19,1	<i>Pollux.</i> *	112 39 17,8
<i>Rigel.</i> *	75 45 7	<i>2d L.</i>	246 35 35	16 <i>Procyon.</i> *	111 41 8,3
<i>α Orionis.</i> *	85 32 40,2	<i>α Aquilæ.</i> *	294 46 31,9	<i>Pollux.</i> *	112 39 18
21 <i>Arcturus.</i> *	211 11 8,7	20 <i>Arcturus.</i> *	211 11 2,5	17 <i>2d L.</i>	267 43 41
<i>2d L.</i>	227 13 32	<i>Antares.</i> *	243 41 18,6	<i>α Aquilæ.</i> *	294 46 28,1
<i>Antares.</i> *	243 41 24	21 <i>2d L.</i>	273 28 40	<i>Pollux.</i> *	112 39 18,6
<i>Procyon.</i> *	111 40 49,3	<i>α Aquilæ.</i> *	294 46 31,6	20 <i>Arcturus.</i> *	211 10 57,8
22 <i>2d L.</i>	239 20 34	22 <i>α Aquilæ.</i> *	294 46 31,5	<i>α Lyræ.</i> *	277 12 29,1
<i>Antares.</i> *	243 41 24	<i>α Orionis.</i> *	85 32 53,1	<i>α Aquilæ.</i> *	294 45 27,6
23 <i>Antares.</i> *	243 41 23,8	<i>Syrus.</i> *	98 38 39,5	<i>2d L.</i>	309 29 14
<i>2d L.</i>	252 2 13	<i>Castor.</i> *	109 48 47	<i>Pollux.</i> *	112 39 19,2
<i>α Aquilæ.</i> *	294 46 31,5	23 <i>Antares.</i> *	243 41 18	22 <i>α Aquilæ.</i> *	294 46 27
<i>Aldebaran.</i> *	65 32 36,2	<i>α Lyræ.</i> *	277 12 38,8	<i>2d L.</i>	337 1 47
<i>Capella.</i> *	74 44 53,4	<i>α Aquilæ.</i> *	294 46 31,6	23 <i>Arcturus.</i> *	211 10 58
<i>Rigel.</i> *	75 45 7,8	<i>2d L.</i>	301 40 47	24 <i>Procyon.</i> *	111 41 11,5
24 <i>Antares.</i> *	243 41 23,6	27 <i>α Lyræ.</i> *	277 12 37,5	<i>Pollux.</i> *	112 39 20,6
<i>2d L.</i>	265 21 9	<i>α Aquilæ.</i> *	294 46 31,2	27 <i>2d L.</i>	45 48 39,1
26 <i>Arcturus.</i> *	211 11 7,3	<i>2d L.</i>	356 53 59	28 <i>α Aquilæ.</i> *	294 46 26
<i>Antares.</i> *	243 41 23,5	28 <i>Arcturus.</i> *	211 11 1	29 <i>α Aquilæ.</i> *	294 46 25,7
27 <i>Antares.</i> *	243 41 23,4	<i>α Aquilæ.</i> *	294 46 31,2	<i>2d L.</i>	76 31 26
<i>α Lyræ.</i> *	277 12 44	<i>2d L.</i>	9 59 10	<i>α Orionis.</i> *	85 33 10,5
<i>α Aquilæ.</i> *	294 46 32	29 <i>2d L.</i>	23 10 46	30 <i>α Aquilæ.</i> *	294 46 26
<i>2d Center.</i>	307 45 37	<i>Capella.</i> *	74 45 15,7		
28 <i>Antares.</i> *	243 41 23	<i>Rigel.</i> *	75 45 23,3	OCTOBER.	
<i>Aquilæ.</i> *	294 46 32,2	<i>α Orionis.</i> *	85 32 56,2	1 <i>2d L.</i>	108 47 5
<i>2d L.</i>	321 57 30,1	<i>Syrus.</i> *	98 38 42	<i>Castor.</i> *	109 49 6
29 <i>Arcturus.</i> *	211 11 6,6	31 <i>α Aquilæ.</i> *	294 46 31	<i>Procyon.</i> *	111 41 15,4
<i>Antares.</i> *	243 41 22,8	<i>2d L.</i>	50 53 10	<i>Pollux.</i> *	112 39 25,5
<i>α Aquilæ.</i> *	294 46 32,2	<i>α Orionis.</i> *	85 32 57		

In the YEAR MDCC LX.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
OCTOBER.		NOVEMBER.		DECEMBER.	
	° ' "		° ' "		° ' "
3 D 2d L.	139 13 34:	3 α Lyræ.	* 277 12 15	17 D 1st L.	* 23 43 14,6
4 α Aquilæ.	* 294 46 24	α Aquilæ.	* 294 46 18	Aldebaran.	* 65 33 28,6
		α Cygni.	* 308 19 4		
18 α Aquilæ.	* 294 46 22	21 D 1st L.	45 14 1,8	22 α Lyræ.	* 277 12 8,6
D 1st L.	317 6 31	Aldebaran.	* 65 33 25,8	Capella.	* 74 46 8,8
		Capella.	* 74 46 3,3	Rigel.	* 75 45 50,5
19 α Aquilæ.	* 294 46 21,8	Rigel.	* 75 45 56,4	α Orionis.	* 85 33 38,5
				Syrus.	* 98 39 26,6
20 α Cygni.	* 308 19 10,5	22 D 1st L.	70 58 25,9	D 2d L.	* 103 39 54,1
Fomalhaut.	340 5 45,6	D 2d L.	71 36 0	Castor.	* 109 49 51,8
D 1st L.	343 52 56	Aldebaran.	* 75 33 25,9	Procyon.	* 111 41 49,1
				Pollux.	* 112 40 4
21 α Aquilæ.	* 294 46 21	23 Capella.	* 74 46 3,8	Arcturus.	* 211 11 37,5
		Rigel.	* 75 45 56,8		
22 D 1st L.	10 24 39::	D 2d L.	78 22 15,6	26 Aldebaran.	* 65 33 28,9
		α Orionis.	* 85 33 33,2	Capella.	* 74 46 9,3
24 D 2d L.	38 59 36	DECEMBER.		Rigel.	* 75 46 00,8
Castor.	* 109 49 19,9			α Orionis.	* 85 33 39,3
Procyon.	* 111 41 26,2	13 D 1st L.	333 20 37,7	D 2d L.	* 165 45 28,3
Pollux.	* 112 39 38,6	Aldebaran.	* 65 33 28,7		
				27 D 2d L.	178 21 16,9
25 D 2d L.	54 7 49,5	14 D 1st L.	345 52 1,4	Arcturus.	* 211 11 35,9
Aldebaran.	* 65 33 22,8	Aldebaran.	* 65 33 28,6		
Capella.	* 74 45 56,6	Capella.	* 74 46 8,1	29 Aldebaran.	* 65 33 29
Rigel.	* 75 45 51,8	Rigel.	* 75 45 59,8	Capella.	* 74 46 9,6
		α Orionis.	* 85 33 37,3	Syrus.	* 98 39 27,6
NOVEMBER.				Castor.	* 109 49 50,8
2 Fomalhaut.	340 5 42	17 α Aquilæ.	* 294 46 16,4	Procyon.	* 111 41 50,5
D 2d L.	174 32 59	α Cygni.	* 308 18 50,2	Pollux.	* 112 40 6,2
				Spica Virginis.	* 198 9 19,2
				D 2d L.	201 47 17,3
				Arcturus.	* 211 11 36

In the YEAR MDCC LXI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		JANUARY.		FEBRUARY.	
	° ' "		° ' "		° ' "
18 Aldebaran.	* 65 33 27,3	24 Syrius.	* 98 39 27,1	16 Procyon.	* 111 41 53,7
Capella.	* 74 46 7,6	Castor.	* 109 49 53	Pollux.	* 112 40 00,4
Rigel.	* 75 45 59,5	Procyon.	* 111 41 54,2	D 1st L.	119 49 5,1
D 1st L.	93 31 53,3	Pollux.	* 112 40 10,8		
Spica Virginis.	* 198 9 21,2	D 2d L.	184 59 47,4	17 Aldebaran.	* 65 33 22
Arcturus.	* 211 11 27,8			Capella.	* 74 46 1,1
		25 Aldebaran.	* 65 33 25,3	α Orionis.	* 85 33 36,2
23 Aldebaran.	* 65 33 26,1	Capella.	* 74 46 6,4	Syrus.	* 98 39 26,2
Capella.	* 74 46 6,5	Rigel.	* 75 45 57,5	D 1st L.	135 56 25,3
Rigel.	* 75 45 58,6	D 2d L.	196 58 51,7		
α Orionis.	* 85 33 38,8	Spica Virginis.	* 198 9 24,5	18 Aldebaran.	* 65 33 21,8
D 2d L.	172 26 3,2			Capella.	* 74 46 1,2
		FEBRUARY.		Rigel.	* 75 45 54,6
24 Capella.	* 74 46 6,7			α Orionis.	* 85 33 36
Rigel.	* 75 45 59,1	16 Castor.	* 109 49 52,3	D 1st L.	151 3 30,5
α Orionis.	* 85 33 39,1				

In the YEAR MDCC LXI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
MARCH.		JUNE.		AUGUST.	
	° ' "		° ' "		° ' "
14 <i>Capella</i> . *	74 45 53,2	13 <i>α Cygni</i> . *	308 19 45,6	8 <i>β 1st L.</i>	236 3 57,7
<i>Rigel</i> . *	75 45 48,9	14 <i>Syrus</i> . *	98 39 6,5	<i>α Aquilæ</i> . *	294 47 12,7
<i>α Orionis</i> . *	85 33 31,1	<i>Spica Virginis</i> . *	198 9 51,7	10 <i>α Aquilæ</i> . *	294 47 12,5
<i>β 1st L.</i>	97 28 36,1	<i>Arcturus</i> . *	211 12 0,7	<i>Capella</i> . *	74 46 10
<i>Syrus</i> . *	98 39 21,1	<i>β 1st L.</i>	232 23 55,2	<i>Rigel</i> . *	75 46 0,3
<i>Castor</i> . *	109 49 47,7	21 <i>α Aquilæ</i> . *	294 47 11,2	11 <i>Antares</i> . *	243 42 17,3
<i>Procyon</i> . *	111 41 50,4	<i>α Cygni</i> . *	308 19 48,6	<i>β 1st L.</i>	276 19 38,6
<i>Pollux</i> . *	112 40 7,6	<i>β 1st L.</i>	324 28 12,4	<i>α Lyræ</i> . *	277 13 13,5
15 <i>Capella</i> . *	74 45 52,9	22 <i>β 2d L.</i>	337 45 12,6	<i>Capella</i> . *	74 46 10,7
<i>Rigel</i> . *	75 45 48,8	24 <i>Regulus</i> . *	148 54 20	<i>Rigel</i> . *	75 46 0,8
<i>α Orionis</i> . *	85 33 30,8	<i>Spica Virginis</i> . *	198 9 45,2	<i>α Orionis</i> . *	85 33 39,1
16 <i>β 1st L.</i>	129 49 10,6	<i>Arcturus</i> . *	211 11 58,6	12 <i>β 1st L.</i>	290 00 6,6
21 <i>Rigel</i> . *	75 45 47,5	<i>Antares</i> . *	243 42 22,6	<i>α Aquilæ</i> . *	294 47 12,4
<i>α Orionis</i> . *	85 33 29,4	<i>β 2d L.</i>	33 45,3	<i>α Cygni</i> . *	208 19 57,2
<i>Syrus</i> . *	98 39 19,1	JULY.		<i>Capella</i> . *	74 46 11,3
<i>Castor</i> . *	109 49 46	8 <i>β 1st L.</i>	192 32 10,6	<i>Rigel</i> . *	75 46 0,3
<i>Procyon</i> . *	111 41 49,2	<i>Spica Virginis</i> . *	198 9 42,9	<i>α Orionis</i> . *	85 33 39,5
<i>Pollux</i> . *	112 40 6,2	<i>Arcturus</i> . *	211 11 56,3	17 <i>α Lyræ</i> . *	277 13 12
APRIL.		<i>α Lyræ</i> . *	277 13 16,5	<i>α Aquilæ</i> . *	294 47 12,4
10 <i>Syrus</i> . *	98 39 14,2	9 <i>Spica Virginis</i> . *	198 9 42,7	<i>β 2d L.</i>	354 42 47,5
<i>Castor</i> . *	109 49 42,1	<i>β 1st L.</i>	204 26 55,6	<i>α Orionis</i> . *	85 33 41,5
<i>Procyon</i> . *	111 41 45,2	<i>Arcturus</i> . *	211 11 56,1	<i>Syrus</i> . *	98 39 19,5
<i>Pollux</i> . *	112 40 11	<i>Antares</i> . *	243 42 22,1	21 <i>α Lyræ</i> . *	277 13 13,6
18 <i>Regulus</i> . *	148 54 33,1	10 <i>Spica Virginis</i> . *	198 9 42,5	<i>α Aquilæ</i> . *	294 47 12,4
<i>Spica Virginis</i> . *	198 9 49,1	<i>β 1st L.</i>	216 20 20,8	<i>β 2d L.</i>	42 56 30,7
<i>β 1st L.</i>	204 15 12,3	<i>Antares</i> . *	243 42 22	<i>Aldebaran</i> . *	65 33 42,7
20 <i>Spica Virginis</i> . *	198 9 49	13 <i>β 1st L.</i>	253 55 36,4	<i>Capella</i> . *	74 46 16,8
<i>Arcturus</i> . *	211 12 0	<i>α Lyræ</i> . *	277 13 16,4	<i>α Orionis</i> . *	85 33 43,3
<i>β 2d L.</i>	229 5 50	<i>β 1st L.</i>	280 58 1,4	<i>Castor</i> . *	109 49 46,2
26 <i>α Orionis</i> . *	85 33 23,4	15 <i>α Lyræ</i> . *	277 13 16,4	<i>Procyon</i> . *	111 41 48,4
<i>Syrus</i> . *	98 39 8,8	<i>β 1st L.</i>	280 58 1,4	<i>Pollux</i> . *	112 40 5
<i>Procyon</i> . *	111 41 42,4	16 <i>Antares</i> . *	243 42 21,3	25 <i>α Orionis</i> . *	85 34 1,5
<i>Pollux</i> . *	112 39 54,3	<i>α Lyræ</i> . *	277 13 16,3	<i>β 2d L.</i>	120 22 8,5
27 <i>β 2d L.</i>	322 7 43,1	<i>β 1st L.</i>	294 36 17,4	SEPTEMBER.	
JUNE.		<i>α Cygni</i> . *	308 19 55,3	5 <i>β 1st L.</i>	244 18 46,6
6 <i>α Cygni</i> . *	308 19 42,7	20 <i>β 2d L.</i>	345 52 55,8	<i>α Aquilæ</i> . *	294 47 15,7
7 <i>α Lyræ</i> . *	277 13 12,5	<i>Capella</i> . *	74 45 55,7	<i>Capella</i> . *	74 46 28,9
8 <i>Spica Virginis</i> . *	198 9 52	<i>Rigel</i> . *	75 45 49,2	<i>Rigel</i> . *	75 46 12,1
<i>Arcturus</i> . *	211 12 1	<i>α Orionis</i> . *	85 33 19,7	<i>α Orionis</i> . *	85 33 50,7
<i>φ Virginis</i> . *	213 59 9½	22 <i>α Lyræ</i> . *	277 13 18,6	<i>Syrus</i> . *	98 39 27,4
<i>α Libræ</i> . *	219 25 55	<i>β 2d L.</i>	9 23 7,6	<i>Procyon</i> . *	111 41 54,2
<i>α Coronæ</i> . *	231 9 7,3	27 <i>Antares</i> . *	243 42 26,5	7 <i>α Aquilæ</i> . *	294 47 15,4
<i>α Aquilæ</i> . *	294 47 9,9	<i>Capella</i> . *	74 45 59,4	<i>α Orionis</i> . *	85 33 51,6
<i>α Cygni</i> . *	308 19 43,7	<i>Rigel</i> . *	75 45 51,7	8 <i>α Lyræ</i> . *	277 13 5,9
9 <i>β 1st L.</i>	172 28 30,6	<i>β 2d L.</i>	78 28 58,8	<i>β 1st L.</i>	234 56 30
<i>Spica Virginis</i> . *	198 9 52,1	<i>α Orionis</i> . *	85 33 22,1	<i>Procyon</i> . *	111 41 55,4
<i>Arcturus</i> . *	211 12 1,1	AUGUST.		10 <i>α Cygni</i> . *	308 19 33,9
11 <i>β 1st L.</i>	196 37 16,4	7 <i>β 1st L.</i>	224 0 42,9	<i>β 1st L.</i>	311 49 33,9
<i>Arcturus</i> . *	211 12 1,4	<i>α Lyræ</i> . *	277 13 13,9	15 <i>β 2d L.</i>	13 39 25,9
<i>Antares</i> . *	243 42 22,4	<i>α Cygni</i> . *	308 19 57,6	19 <i>α Lyræ</i> . *	277 13 2,1
13 <i>β 1st L.</i>	220 11 56,6			<i>α Aquilæ</i> . *	294 47 13

In the YEAR MDCC LXI.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
SEPTEMBER.		OCTOBER.		NOVEMBER.	
	° ' "		° ' "		° ' "
24 <i>α Aquilæ.</i> *	294 47 12,5	20 <i>Aldebaran.</i> *	65 34 10,6	17 <i>γ Leonis.</i> *	148 54
<i>α Cygni.</i> *	308 19 30,3	<i>Capella.</i> *	74 46 57,7	<i>Regulus.</i> *	148 54 51,7
<i>Pollux.</i> *	112 40 21,2	<i>Rigel.</i> *	75 46 32	18 <i>α Cygni.</i> *	308 19 30,2
<i>β 2d L.</i>	147 28 41,5	<i>α Orionis.</i> *	85 34 8,2	<i>Castor.</i> *	109 50 35,5
<i>Regulus.</i> *	148 54 38,6	<i>Castor.</i> *	109 50 39,8	<i>Procyon.</i> *	111 42 28,4
OCTOBER.		<i>Procyon.</i> *	111 42 14,9	<i>Pollux.</i> *	112 40 50,8
		<i>Pollux.</i> *	112 40 35,2	<i>β 2d L.</i>	152 41 35,2
5 <i>α Lyrae.</i> *	277 12 56,8	21 <i>α Lyrae.</i> *	277 12 51,2	21 <i>β 2d L.</i>	191 16 51,2
<i>β 1st L.</i>	279 24 40,3	<i>α Aquilæ.</i> *	294 47 7,1	30 <i>α Lyrae.</i> *	277 12 41
<i>α Aquilæ.</i> *	294 47 10,3	<i>α Cygni.</i> *	308 19 41,2	<i>α Aquilæ.</i> *	294 46 59,7
<i>α Cygni.</i> *	308 19 46,7	<i>β 2d L.</i>	142 33 19,3	<i>β 1st L.</i>	295 44 19
<i>Procyon.</i> *	111 42 7,8	NOVEMBER.		<i>α Cygni.</i> *	308 19 24,4
<i>Pollux.</i> *	112 40 27,1			DECEMBER.	
<i>Regulus.</i> *	148 54 32,5	6 <i>α Lyrae.</i> *	277 12 46,5	3 <i>α Lyrae.</i> *	277 12 42
6 <i>β 1st L.</i>	293 6 9,2	<i>α Aquilæ.</i> *	294 47 3,5	<i>α Cygni.</i> *	308 19 24,6
<i>α Aquilæ.</i> *	294 47 10,1	<i>α Cygni.</i> *	308 19 34,6	<i>β 1st L.</i>	333 49 21
<i>α Cygni.</i> *	308 19 46,3	<i>β 1st L.</i>	338 50 6	4 <i>α Lyrae.</i> *	277 12 40
<i>Fomalhaut.</i>	341 6 43,2	<i>Fomalhaut.</i>	340 6 36,5	<i>β 1st L.</i>	345 34 34,2
12 <i>β 1st L.</i>	8 14 2	11 <i>α Lyrae.</i> *	277 12 45,2	<i>Arcturus.</i> *	211 11 53
15 <i>α Lyrae.</i> *	277 12 53,2	<i>α Aquilæ.</i> *	294 47 2,6	5 <i>α Lyrae.</i> *	277 12 41
<i>α Cygni.</i> *	308 19 42,7	<i>α Cygni.</i> *	308 19 32,8	<i>α Aquilæ.</i> *	294 46 59
<i>Fomalhaut.</i>	341 6 42,2	<i>β 1st L.</i>	40 46 59	<i>α Cygni.</i> *	308 19 24,3
<i>β 2d L.</i>	47 42 43,1	<i>Aldebaran.</i> *	65 34 17,8	<i>β 1st L.</i>	357 8 46,3
<i>Aldebaran.</i> *	65 34 8,7	<i>Capella.</i> *	74 47 8,6	8 <i>β 1st L.</i>	33 41 18,4
<i>Capella.</i> *	74 46 54,7	<i>Rigel.</i> *	75 45 39,9	10 <i>β 1st L.</i>	62 50 12
<i>Rigel.</i> *	75 46 30	14 <i>Capella.</i> *	74 47 9,8	<i>Aldebaran.</i> *	65 33 22,6
<i>α Orionis.</i> *	85 34 6	<i>Rigel.</i> *	75 45 40,7	20 <i>Arcturus.</i> *	211 11 59,3
<i>Castor.</i> *	109 50 37,1	<i>α Orionis.</i> *	85 34 21,8	<i>β 2d L.</i>	211 49 11
<i>Procyon.</i> *	111 42 12,7	<i>β 2d L.</i>	88 28 42,1	30 <i>β 1st L.</i>	329 26 7
<i>Pollux.</i> *	112 40 32,7	15 <i>β 2d L.</i>	105 34 40,9	<i>Aldebaran.</i> *	65 34 23
<i>Regulus.</i> *	148 54 36,5	<i>Castor.</i> *	109 50 34,1	<i>Capella.</i> *	74 46 26,3
16 <i>α Cygni.</i> *	308 19 40	<i>Procyon.</i> *	111 42 27,2	<i>Rigel.</i> *	75 46 9,5
18 <i>β 2d L.</i>	94 35 25	<i>Pollux.</i> *	112 40 49,4	31 <i>β 1st L.</i>	341 12 24
19 <i>Capella.</i> *	74 46 57,2	17 <i>Capella.</i> *	74 47 10,9		
<i>Rigel.</i> *	75 46 31,6	<i>Rigel.</i> *	75 45 41,5		
<i>Castor.</i> *	109 50 39,2	<i>α Orionis.</i> *	85 34 22,7		
<i>β 2d L.</i>	111 10 11,5	<i>Castor.</i> *	109 50 35,1		
<i>Procyon.</i> *	111 42 14,4	<i>Procyon.</i> *	111 42 28		
<i>Pollux.</i> *	112 40 34,6	<i>Pollux.</i> *	112 40 50,4		
		<i>β 2d L.</i>	138 4 43,7		

In the YEAR MDCCCLXII.

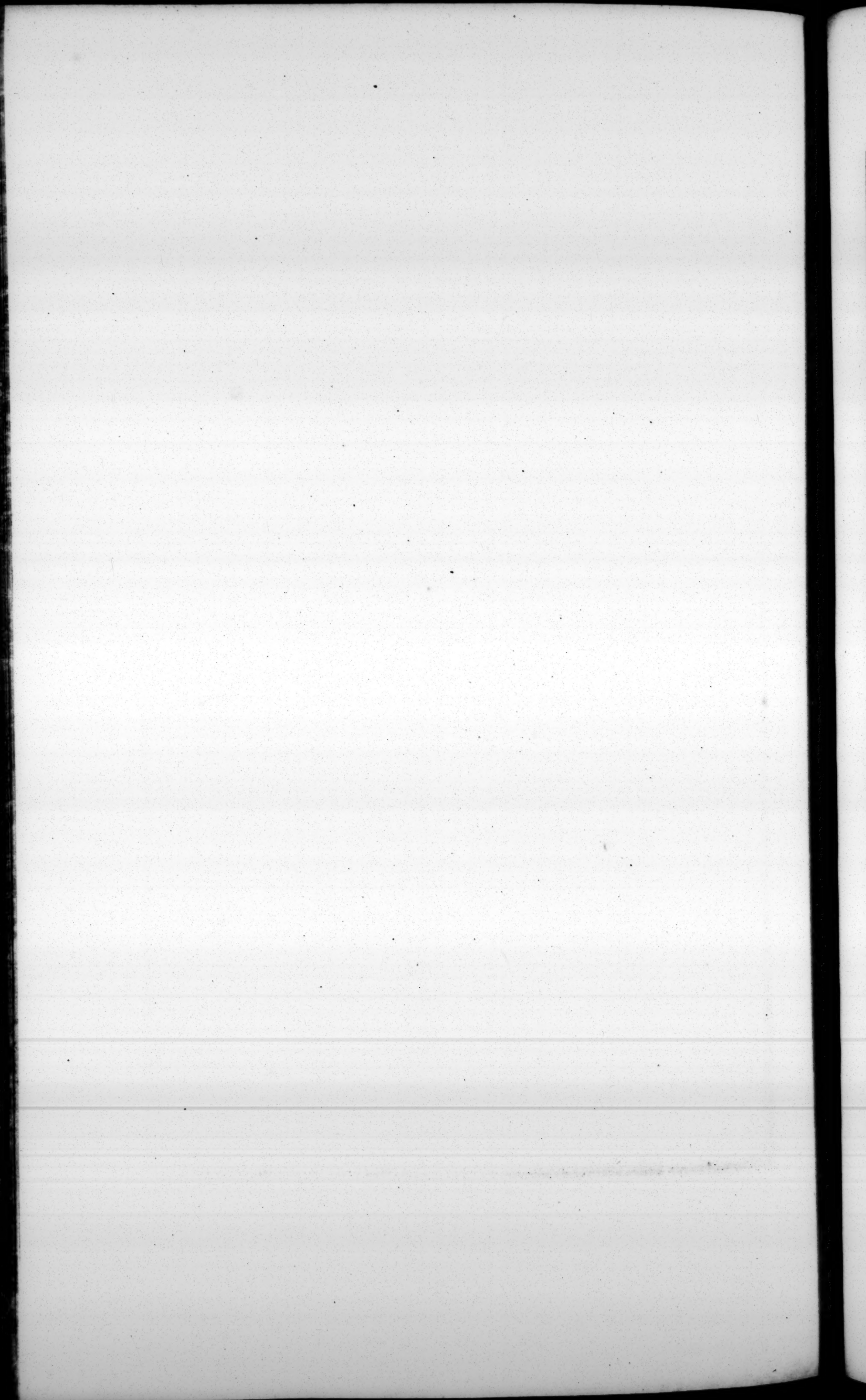
Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		FEBRUARY.		MAY.	
	° ' "		° ' "		° ' "
2 δ 1st L.	3 57 56	10 Capella.	74 47 12	28 Spica Virginis.	198 10 39
Aldebaran.	65 34 24	Rigel.	75 46 42	30 Regulus.	148 55 16,9
Capella.	74 47 19,2	Syrus.	98 40 1	Antares.	243 43 50
Rigel.	75 46 48	δ 2d L.	176 21 24		
α Orionis.	85 34 32				
		MARCH.		JUNE.	
5 δ 1st L.	40 28 2	9 Aldebaran.	65 34 13	1 Regulus.	148 55 16,5
Capella.	74 47 18½	Capella.	74 47 5	Spica Virginis.	198 10 39,1
Rigel.	75 46 46½	Rigel.	75 46 36	7 Spica Virginis.	198 10 38,6
		α Orionis.	85 34 24	8 Spica Virginis.	198 10 38,5
7 Aldebaran.	65 34 23,1	Syrus.	98 39 56	Arcturus.	211 12 48,1
δ 1st L.	70 14 35	δ 1st L.	168 18 48½		
Capella.	74 47 19			15 Spica Virginis.	198 10 37,7
Rigel.	75 46 46,7			Arcturus.	211 12 46,9
α Orionis.	85 34 32			23 Arcturus.	211 12 45
		APRIL.		29 Arcturus.	211 12 44,8
8 Capella.	74 47 18,6	1 α Orionis.	85 34 17	Antares.	243 43 11,5
Rigel.	75 46 46,7	Syrus.	98 39 51	α Lyrae.	277 13 49
α Orionis.	85 34 32	δ 1st L.	99 37 7½	30 Arcturus.	211 12 44,7
δ 1st L.	87 13 0			Antares.	243 43 11,5
10 δ 2d L.	123 19 57				
		2 Rigel.	75 46 28	JULY.	
17 Aldebaran.	65 34 22	Syrus.	98 39 51	2 Antares.	243 43 11,6
Capella.	74 47 18	Procyon.	111 42 38	α Aquilæ.	294 48 1,1
Rigel.	75 46 46	Pollux.	112 41 3	3 Spica Virginis.	198 10 34,7
δ 2d L.	220 11 25	δ 1st L.	116 3 12½	Arcturus.	211 12 44,1
				Antares.	243 43 11,4
		4 Pollux.	112 41 4		
		δ 1st L.	147 22 43	11 Spica Virginis.	198 10 33,5
		Regulus.	148 55 26	Antares.	243 43 20,3
				α Aquilæ.	294 48 3,5
		5 δ 1st L.	161 48 28		
				12 Antares.	243 43 20,2
				α Aquilæ.	294 48 3,7
				Aldebaran.	65 34 30,8
		MAY.		13 Spica Virginis.	198 10 33
		6 Syrius.	98 39 43	14 Spica Virginis.	198 10 32,9
		δ 1st L.	209 9 54	Arcturus.	211 12 38,5
		Arcturus.	211 12 48	Antares.	243 43 20
		7 Syrius.	98 39 43	15 Aldebaran.	65 34 30,5
		Regulus.	148 55 21		
		Spica Virginis.	198 10 40		
		Arcturus.	211 12 48		
		δ 1st L.	222 20 15		
		δ 2d L.	222 54 21		
		α Aquilæ.	294 47 42		
		12 δ 2d L.	293 37 20		
		α Aquilæ.	294 47 44		
		α Cygni.	308 19 44		
		13 δ 2d L.	307 6 5		

In the YEAR MDCC LXI.

Names of the Stars, &c.			Appar. Right Ascensions.			Names of the Stars, &c.			Appar. Right Ascensions.			Names of the Stars, &c.			Appar. Right Ascensions.		
SEPTEMBER.						OCTOBER.						NOVEMBER.					
24	<i>α Aquilæ.</i>	*	294	47	12,5	20	<i>Aldebaran.</i>	*	65	34	10,6	17	<i>γ Leonis.</i>	*	148	54	
	<i>α Cygni.</i>	*	308	19	30,3		<i>Capella.</i>	*	74	46	57,7		<i>Regulus.</i>	*	148	54	
	<i>Pollux.</i>	*	112	40	21,2		<i>Rigel.</i>	*	75	46	32						
	<i>δ 2d L.</i>	*	147	28	41,5		<i>α Orionis.</i>	*	85	34	8,2	18	<i>α Cygni.</i>	*	308	19	
	<i>Regulus.</i>	*	148	54	38,6		<i>Castor.</i>	*	109	50	39,8		<i>Castor.</i>	*	109	50	
							<i>Procyon.</i>	*	111	42	14,9		<i>Procyon.</i>	*	111	42	
							<i>Pollux.</i>	*	112	40	35,2		<i>Pollux.</i>	*	112	40	
							<i>δ 2d L.</i>	*	127	17	39,6		<i>δ 2d L.</i>	*	152	41	
5	<i>α Lyræ.</i>	*	277	12	56,8	21	<i>α Lyræ.</i>	*	277	12	51,2	21	<i>δ 2d L.</i>	*	191	16	
	<i>δ 1st L.</i>	*	279	24	40,3		<i>α Aquilæ.</i>	*	294	47	7,1						
	<i>α Aquilæ.</i>	*	294	47	10,3		<i>α Cygni.</i>	*	308	19	41,2	30	<i>α Lyræ.</i>	*	277	12	
	<i>α Cygni.</i>	*	308	19	46,7		<i>δ 2d L.</i>	*	142	33	19,3		<i>α Aquilæ.</i>	*	294	46	
	<i>Procyon.</i>	*	111	42	7,8								<i>δ 1st L.</i>	*	295	44	
	<i>Pollux.</i>	*	112	40	27,1								<i>α Cygni.</i>	*	308	19	
	<i>Regulus.</i>	*	148	54	32,5												
6	<i>δ 1st L.</i>	*	293	6	9,2	6	<i>α Lyræ.</i>	*	277	12	46,5	DECEMBER.					
	<i>α Aquilæ.</i>	*	294	47	10,1		<i>α Aquilæ.</i>	*	294	47	3,5	3	<i>α Lyræ.</i>	*	277	12	
	<i>α Cygni.</i>	*	308	19	46,3		<i>α Cygni.</i>	*	308	19	34,6		<i>α Cygni.</i>	*	308	19	
	<i>Fomalhaut.</i>	*	341	6	43,2		<i>δ 1st L.</i>	*	338	50	6		<i>δ 1st L.</i>	*	333	49	
							<i>Fomalhaut.</i>	*	340	6	36,5						
12	<i>δ 1st L.</i>	*	8	14	2							4	<i>α Lyræ.</i>	*	277	12	
15	<i>α Lyræ.</i>	*	277	12	53,2	11	<i>α Lyræ.</i>	*	277	12	45,2		<i>δ 1st L.</i>	*	345	34	
	<i>α Cygni.</i>	*	308	19	42,7		<i>α Aquilæ.</i>	*	294	47	2,6		<i>Arcturus.</i>	*	211	11	
	<i>Fomalhaut.</i>	*	341	6	42,2		<i>α Cygni.</i>	*	308	19	32,8						
	<i>δ 2d L.</i>	*	47	42	43,1		<i>δ 1st L.</i>	*	40	46	59	5	<i>α Lyræ.</i>	*	277	12	
	<i>Aldebaran.</i>	*	65	34	8,7		<i>Aldebaran.</i>	*	65	34	17,8		<i>α Aquilæ.</i>	*	294	46	
	<i>Capella.</i>	*	74	46	54,7		<i>Capella.</i>	*	74	47	8,6		<i>α Cygni.</i>	*	308	19	
	<i>Rigel.</i>	*	75	46	30		<i>Rigel.</i>	*	75	45	39,9		<i>δ 1st L.</i>	*	357	8	
	<i>α Orionis.</i>	*	85	34	6												
	<i>Castor.</i>	*	109	50	37,1	14	<i>Capella.</i>	*	74	47	9,8	8	<i>δ 1st L.</i>	*	33	41	
	<i>Procyon.</i>	*	111	42	12,7		<i>Rigel.</i>	*	75	45	40,7						
	<i>Pollux.</i>	*	112	40	32,7		<i>α Orionis.</i>	*	85	34	21,8	10	<i>δ 1st L.</i>	*	62	50	
	<i>Regulus.</i>	*	148	54	36,5		<i>δ 2d L.</i>	*	88	28	42,1		<i>Aldebaran.</i>	*	65	33	
16	<i>α Cygni.</i>	*	308	19	40	15	<i>δ 2d L.</i>	*	105	34	40,9	20	<i>Arcturus.</i>	*	211	11	
18	<i>δ 2d L.</i>	*	94	35	25		<i>Castor.</i>	*	109	50	34,1		<i>δ 2d L.</i>	*	211	49	
19	<i>Capella.</i>	*	74	46	57,2		<i>Procyon.</i>	*	111	42	27,2	30	<i>δ 1st L.</i>	*	329	26	
	<i>Rigel.</i>	*	75	46	31,6		<i>Pollux.</i>	*	112	40	49,4		<i>Aldebaran.</i>	*	65	34	
	<i>Castor.</i>	*	109	50	39,2								<i>Capella.</i>	*	74	46	
	<i>δ 2d L.</i>	*	111	10	11,5	17	<i>Capella.</i>	*	74	47	10,9		<i>Rigel.</i>	*	75	46	
	<i>Procyon.</i>	*	111	42	14,4		<i>Rigel.</i>	*	75	45	41,5	31	<i>δ 1st L.</i>	*	341	12	
	<i>Pollux.</i>	*	112	40	34,6		<i>α Orionis.</i>	*	85	34	22,7						
							<i>Castor.</i>	*	109	50	35,1						
							<i>Procyon.</i>	*	111	42	28						
							<i>Pollux.</i>	*	112	40	50,4						
							<i>δ 2d L.</i>	*	138	4	43,7						

In the YEAR MDCCCLXII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
JANUARY.		FEBRUARY.		MAY.	
	° ' "		° ' "		° ' "
2 δ 1st L.	3 57 56	10 Capella.	74 47 12	28 Spica Virginis. *	198 10 39
Aldebaran. *	65 34 24	Rigel. *	75 46 42	30 Regulus. *	148 55 16,9
Capella. *	74 47 19,2	Syrus. *	98 40 1	Antares. *	243 43 50
Rigel. *	75 46 48	δ 2d L.	176 21 24		
α Orionis. *	85 34 32				
5 δ 1st L.	40 28 2	MARCH.		JUNE.	
Capella. *	74 47 18 $\frac{1}{2}$	9 Aldebaran. *	65 34 13	1 Regulus. *	148 55 16,5
Rigel. *	75 46 46 $\frac{1}{2}$	Capella. *	74 47 5	Spica Virginis. *	198 10 39,1
7 Aldebaran. *	65 34 23,1	Rigel. *	75 46 36	7 Spica Virginis. *	198 10 38,6
δ 1st L.	70 14 35	α Orionis. *	85 34 24	8 Spica Virginis. *	198 10 38,5
Capella. *	74 47 19	Syrus. *	98 39 56	Arcturus. *	211 12 48,1
Rigel. *	75 46 46,7	δ 1st L.	168 18 48 $\frac{1}{2}$	15 Spica Virginis. *	198 10 37,7
α Orionis. *	85 34 32			Arcturus. *	211 12 46,9
8 Capella. *	74 47 18,6	APRIL.		23 Arcturus. *	211 12 45
Rigel. *	75 46 46,7	1 α Orionis. *	85 34 17	29 Arcturus. *	211 12 44,8
α Orionis. *	85 34 32	Syrus. *	98 39 51	Antares. *	243 43 11,5
δ 1st L.	87 13 0	δ 1st L.	99 37 7 $\frac{1}{2}$	α Lyrae. *	277 13 49
10 δ 2d L.	123 19 57	2 Rigel. *	75 46 28	30 Arcturus. *	211 12 44,7
17 Aldebaran. *	65 34 22	Syrus. *	98 39 51	Antares. *	243 43 11,5
Capella. *	74 47 18	Procyon. *	111 42 38		
Rigel. *	75 46 46	Pollux. *	112 41 3		
δ 2d L.	220 11 25	δ 1st L.	116 3 12 $\frac{1}{2}$		
FEBRUARY.		4 Pollux. *	112 41 4	JULY.	
1 Aldebaran. *	65 34 20,2	δ 1st L.	147 22 43	2 Antares. *	243 43 11,6
Syrus. *	98 40 2,4	Regulus. *	148 55 26	α Aquilæ. *	294 48 1,1
Castor. *	109 50 52,2	5 δ 1st L.	161 48 28	3 Spica Virginis. *	198 10 34,7
Procyon. *	111 42 45,8			Arcturus. *	211 12 44,1
Pollux. *	112 41 11,6	MAY.		Antares. *	243 43 11,4
Spica Virginis. *	198 10 18,1	6 Syrus. *	98 39 43	11 Spica Virginis. *	198 10 33,5
3 δ 1st L.	62 43 57	δ 1st L.	209 9 54	Antares. *	243 43 20,3
Aldebaran. *	65 34 19	Arcturus. *	211 12 48	α Aquilæ. *	294 48 3,5
5 Aldebaran. *	65 34 19	7 Syrus. *	98 39 43	12 Antares. *	243 43 20,2
Capella. *	74 47 14	Regulus. *	148 55 21	α Aquilæ. *	294 48 3,7
Rigel. *	75 46 43	Spica Virginis. *	198 10 40	Aldebaran. *	65 34 30,8
α Orionis. *	85 34 30	Arcturus. *	211 12 48	13 Spica Virginis. *	198 10 33
δ 1st L.	95 32 17	δ 1st L.	222 20 15	14 Spica Virginis. *	198 10 32,9
Syrus. *	98 40 1	δ 2d L.	222 54 21	Arcturus. *	211 12 38,5
7 Aldebaran. *	65 34 19	α Aquilæ. *	294 47 42	Antares. *	243 43 20
Capella. *	74 47 13	12 δ 2d L.	293 37 20	15 Aldebaran. *	65 34 30,5
Rigel. *	75 46 43	α Aquilæ. *	294 47 44		
Castor. *	109 50 52	α Cygni. *	308 19 44		
Procyon. *	111 42 45	13 δ 2d L.	307 6 5		
Pollux. *	112 41 11				
δ 1st L.	130 16 16				



ASTRONOMICAL
OBSERVATIONS,

MADE AT THE

ROYAL OBSERVATORY

AT

GREENWICH,

FROM

THE YEAR MDCCLXII. TO THE YEAR MDCCLXIV.

BY THE

REV. NATHANIEL BLISS, A. M.

ASTRONOMER ROYAL,

SAVILIAN PROFESSOR OF GEOMETRY AT OXFORD,

AND FELLOW OF THE ROYAL SOCIETY.

OBSERVED TRANSITS

OF THE

S U N, P L A N E T S,

AND

FIXED STARS,

OVER THE

M E R I D I A N.

In A U G U S T M D C C L X I I.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
8 AUG. 18.	At 6 ^h by this Clock I adjusted the Meridian and Spirit Level. 36 29½ 6 37 6 37 42½ 38 19 <i>Syrus.</i> N. B. After this Observation I stopped the Clock 2' 0" exactly, and let down the Bob of the Pendulum two Divisions of the Nut.					
19.	Cloudy Cloudy 14+ 9+ 51 14 28	51 45 36 49+ 3	9 55 53+ 14 5 14½ 58 28 17 24 21 18 29 20+ 19 35 25 39 38	Cloudy Cloudy 57 5 0+ 13+	Cloudy 32+ 49+ 35½ 48½	☉ 2d L. <i>Arcturus.</i> <i>Mars's Center.</i> α <i>Opbiuchi.</i> α <i>Lyræ.</i> γ } <i>Aquila.</i> α }
22.	Cloudy	46	18 29 30½	15		α <i>Lyræ.</i>
23.	Professior Blifs ordered me to let down the Bob 3 Divisions, by which the Clock was stopped 2".					
24.	25+ 21	1- 57	10 12 36+ 14 46+ 6 35 33+	22- 10	57+ 46	☉ 1st L. ☉ 2d L. <i>Syrus.</i>
26.	By this Clock at 11 ^h 15' 2" the 1st Satellite of Jupiter immersed. Apparent Time 12 ^h 51' 45". Cloudy 2 36 22:: 37 33:: <i>Jupiter's Center.</i>					
27.	14- 54	55 28½:	7 20 36½ 28 4	18 39	59 14	<i>Castor.</i> <i>Procyon.</i>
28.	32 49	27 7 25+	10 27 42½ 29 52 12 52 0+	30 28- 35½	31 3 53 11	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i>
29.	8½	30 44-	10 31 19+ 33 29 18 30 7+	34 4+ 51	49½ 35-	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> ☉ 1st L.
N. B. After this Observation Professior Blifs shortened the Pendulum 1 Division. Clock not stopped.						

In AUGUST MDCC LXII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 29.	39 14 41+ 55+ 26+ 28½ 35 21+ 39 52 36	49 16+ 44+ 1+ 4 36 57 15½ 27 27- 16-	19 40 24 44 51+ 20 34 33+ 1 34 36+ 2 1 39+ 6 35 52 7 20 35 28 2 31 55+	59 26½ 35 22+ 2 14½ 37 9 27½ 21 16½ 37+ 35	34 1½ 36 11+ 46+ 49 45 57+ 12 14+	α { <i>Aquilæ</i> . β { α <i>Cygni</i> . <i>Saturn's</i> Center. 15 ^h 00' 21", 1 mean time. ξ <i>Ceti</i> . 1 ^a . ad. <i>Jupiter's</i> Center. 16 ^h 2' 7", 6 mean time. <i>Syrius</i> . <i>Castor</i> . <i>Procyon</i> . <i>Pollux</i> .
☽ 30.	33 47 Cloudy 36½ 35 0 39 13 Cloudy 3 39	34 22 29 21 35 48 44 16- Cloudy	10 34 58- 37 7- 14 6 1:: 18 30 6+ 19 36 10+ 40 23+ Cloudy 20 4 59	37 42+ Cloudy 30 50+ 45+ 40 59- 45* 26	38 18 31 35+ 21 41 34- Cloudy Cloudy	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . α <i>Lyræ</i> . γ { α { <i>Aquilæ</i> . β { ☽ 1st L. 9 ^h 27' 42", 9 mean time. *46
♂ 31.	24½ 35 Cloudy 48+ 52+ Cloudy 15 39 6 6½ 16 36 49-	38 0- Cloudy 46 13+ 41+ 56 25 51+ 29 41+ 46 51+ 12½ 23½	10 38 35 40 44 18 30 4+ 19 Cloudy 20 Cloudy 57 3 4 23 27+ 5 0 19 4 17- 12 26 43 26½ 6 35 49- 7 27 59 31 52+	19+ 30 49 Cloudy 4+ 9 52 13 6 2 25 34 32	54½ Cloudy 31 58 22:: 26+ 59 27 45½ 37+ 1½ 9+ 12-	☉ 1st L. ☉ 2d L. α <i>Lyræ</i> . α { <i>Aquilæ</i> . β { α <i>Cygni</i> . ☽ 1st L. 10 ^h 15' 44", 2 mean time. <i>Aldebaran</i> . <i>Capella</i> . <i>Rigel</i> . β <i>Tauri</i> . α <i>Orionis</i> . <i>Syrius</i> . <i>Procyon</i> . <i>Pollux</i> .
♂ SEPT. 1.	I wound up the Clocks.—I put this back just 1' 9", and shortened the Bob 1½ Divisions.					
	39 51-::		10 41 0+::	43 44+::	20:	☉ 1st L. } Cloudy and uncertain. ☉ 2d L. }
		28 7+	18 28 52	29 37	21½	α <i>Lyræ</i> .
	59+	21	19 34 56+	32	7+	γ {
42 27	34½	2	39 10+	45+	20+	α { <i>Aquilæ</i> .
	2		43 37	12	47	β {
43 58+	31-:	20 33 19+		8-	56+	α <i>Cygni</i> .
34 4½	44 36-	21 45 13			46 28	☽ 1st L. 11 ^h 1' 2", 1 mean time.
24+	41-	2 35 16			26½	<i>Jupiter's</i> Center. 15 ^h 50' 18", 2 mean time.
	0+	6 34 37-		13½	49+	<i>Syrius</i> .
24 2.	25+	44, 1	10 44 36+	20+	56	☉ 1st L. ☉ 2d L.
At 1 ^h 35' 53" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 14 ^h 47' 59"½.						
♂ 4.	2	18 28 47-	29 31+	16+	α <i>Lyræ</i> .	
54	29+	19 39 4+	40-	15	α { <i>Aquilæ</i> .	
22	56½	43 31½	6½	41+	β {	
58+	35	4 22 11	47	23+	<i>Aldebaran</i> .	
		5 2 59½			<i>Rigel</i> .	
19	55+	6 34 31½	8+	44+	<i>Syrius</i> .	
52	33+	7 19 15-	56+	37+	<i>Castor</i> .	
Cloudy			27 17	52	<i>Procyon</i> .	
16	55½	30 35+	Wind	55-	<i>Pollux</i> .	
☉ 5.		54 47½	10 55 23	58 7	42	☉ 1st L. } Dubious Clouds. ☉ 2d L. }
			18 28 45½			α <i>Lyræ</i> .
	14	19 34 49½		0	γ {	
52½	27½	39 3+	38+	13+	α { <i>Aquilæ</i> .	
20+	55	43 30+	5+	40	β {	
45 38+		0 46 50-	25:	48 1+	☽ 2d L. 13 ^h 46' 32", 3 mean time.	
♂ 7.		58- 11½ 25+ 53	18 28 43- 19 34 47 39 1+ 43 28 2 18 39+ 2 34 42½	27 22½ 36 3 19 16	12 58- 11 38 19 52½	α <i>Lyræ</i> . γ { α { <i>Aquilæ</i> . β { ☽ 2d L. 15 ^h 10' 17", 4 mean time. <i>Jupiter's</i> Center. 15 ^h 26' 18", 2 mean time.
♂ 8.	58+	33+	11 6 8½ 8 17 5 42 6-	Cloudy	16	☉ 1st L. ☉ 2d L. α <i>Orionis</i> .

In SEPTEMBER MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8.	14	50	6 34 26½	3	39	Syrus.
9.		27+	7 19 9- 26 36 30 29½	50+ 9+	31 46	Castor. Procyon. Pollux.
10.	At 17 ^h 19' by this Clock I shortened the Pendulum 2 Divisions on the Bob. The Clock was not stopped.					Procyon. Doubtful. Hazy.
11.	Cloudy		11 16 56+ 19 5- 18 28 42 19 34 46+ 39 0- 43 27 20 33 9- 23 3 15 5 22 6 25- 4 58 58½ 5 2 56- 42 7 6 5 46 34 27+ 7 26 39-	19 40 29 27- 35 22- 39 35+ 44 2 33 58 3 51- 5 57½ 7 0+ 59 49- 3 31 42+ 6 27- 27 14-	15+ 30 11 35 57 40 10- 44 37 34 47 26 7 35+ 0 38½ 4 6+ 17+ 7½ Clouds 27 48+	☉ 1st L. ☉ 2d L. α Lyræ. γ } Aquilæ. α } α Cygni. ↓ } 1 ^{ma} ad. ↓ } 2 ^{da} ad. ↓ } 3 ^{tia} ad. Capella. Rigel. α Orionis. ☉ 2d L. 18 ^h 41' 3", 5 mean time. Syrus. Procyon.
12.	16½ 10 28+ 25 29+ 29 14	53 26 4½ 29 53	6 34 29 7 11 49+ 26 39½ 30 33	5+ 12 30- 27 14½ 31 13	42 13 10 27 49+ 31 52	Syrus. ☉ 2d L. 19 ^h 42' 9" mean time. Procyon. Pollux.
13.	35 0+	23 35+	11 24 10+ 26 18: 13 14 4 38+	26 53+ 59 56 5 16-	28+ 53-	☉ 1st L. ☉ 2d L. Venus's Center. Arcturus.
14.	36+	11	11 27 46+ 29 55+ 14 3 43 19 34 49+ 39 3- 43 30 20 33 12-	30+ 35 25- 39 38 44 5 34 1	5 36 0 40 13+ 44 40 49	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 29' 48", 1 mean time. γ } Aquilæ. α } α Cygni.
15.	30 13½ 27 27½ 33 51 38 5 42 32+	30 48½ 28 12½ 34 26 38 40 43 7+	11 31 23+ 33 32 18 28 57+ 19 35 1½ 39 15 43 42+	34 7 29 42 35 37 39 50 44 17+	34 42 30 26½ 36 12 40 25+ 44 52+	☉ 1st L. } Very hazy. ☉ 2d L. } α Lyræ. γ } Aquilæ. β }
16.	Cloudy 32 18 37 52 20	28 13½ 32 54- 38 27+ 42 55 23	18 2 33 29+ 7 19 28 26 55 30 48½	20 9+ 20 9+ 27 30 31 28+	20 50+ 28 5 8	α Lyræ. Jupiter's Center. 14 ^h 49' 26", 4 mean time. With the two foot Reflector, at 3 ^h 8' 25" by this Clock, the second Satellite of Jupiter immersed. Apparent Time 15 ^h 29' 52". Castor. Procyon. Pollux.
17.	37 38- 3 39- 54½	38 13- 40 21 4 16 16 31-	11 38 48- 40 56 14 4 53+ 17 7	41 31 17 43+	42 6 18 19½	☉ 1st L. ☉ 2d L. Arcturus. Venus's Center. 2 ^h 31' 8", 5 mean time.
18.	41 14: 38 6 42 33½ 31 48-	41 48 38 41 43 8+ 32 36	11 42 23 44 33: 19 39 16+ 43 44- 20 33 25+ 34 14	45 7+ 45 7+ 44 18+ 34 14	45 41½: 40 27 44 53+ 35 3+	☉ 1st L. ☉ 2d L. α } Aquilæ. β } α Cygni. With the six foot Reflector, at 0 ^h 54' 56" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 13 ^h 9' 29". Saturn's Center. 13 ^h 37' 49", 4 mean time. Jupiter's Center. 14 ^h 41' 6", 8 mean time. Castor. Procyon.
20.		46+ 19½ 8+	7 19 28- 26 55- 30 48+	20 9+ 27 30 31 28	50+ 28 5 8-	Castor. Procyon. Pollux.
21.	Clouds	52 35	11 53 10 55 18	55 53	56 28	☉ 1st L. } Windy and Cloudy. ☉ 2d L. }

In OCTOBER MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
22.	55 36	56 11-	11 56 46-	59 29-	0 4-	☉ 1st L. } Little hazy. ☉ 2d L. }
24.	Clouds 24	51 5	12 6 6 17 51 45+	6 41 52 26	7 16 53 7	☉ 2d L. ☉ 1st L. 5 ^h 37' 41" mean time.
25.	6 23+ 29 28 8 51 38 5 42 32½	6 58+ 52 6- 12½ 48 49 26+ 38 40 43 7+	12 7 33+ 9 42 14 52 43- 18 28 57+ 49 30 35 2 39 15+ 43 43-	10 17 29 42 50 11 37 39 50+ 44 18	10 52 53 56½ 26+ 50 52 12½ 40 26- 44 53	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 35' 12" mean time. α Lyræ. ☉ 1st L. 6 ^h 31' 20", 2 mean time. γ } α } Aquilæ. β }
With the fix foot Reflector, at 21 ^h 30' 48", the third Satellite of Jupiter immersed. Very hazy. Apparent Time 9 ^h 20' 46".						
26.	Clouds		12 11 10- 13 18	13 53	Clouds	☉ 1st L. ☉ 2d L.
28.	6½ 34-	38 41+ 9 28 12	18 28 58½ 19 35 3+ 39 16½ 43 44 21 28 50+	43: 35 38½ 52 19	27½ 14 27+ 54 30 7-	α Lyræ. γ } α } Aquilæ. β } ☉ 1st L. 8 ^h 58' 25", 3 mean time.
29.	Clouds Clouds	21 27	12 22 2 24 11 14 4 54 15 10 50	24 46	21 6 9 12 4½	☉ 1st L. ☉ 2d L. Arcturus. Venus's Center. 2 ^h 37' 31" mean time.
30.	30	25 5	12 25 40 27 49	28 24	59	☉ 1st L. ☉ 2d L.
OCT. 1.	I wound up this and all the other Clocks.—I likewise examined this Instrument with the Spirit Level, &c. and found it very exact, &c. 3 42: Clouds 14 4 56½ Clouds Arcturus.					
4.	With the fix foot Reflector, at 22 ^h 52' 45" by this Clock, the second Satellite of Jupiter immersed. Apparent Time 10 ^h 9' 55". With the fix foot Reflector, at 0 ^h 14' 28" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 11 ^h 31' 26". 24 12 24 47 1 25 22 26 32 Saturn's Center. 12 ^h 30' 39", 7 mean time. 2 37+ 23½: 2 3 50+ 4 27+ ☉ 2d L. 13 ^h 9' 1", 4 mean time. 47+ 27 7 21 0 36+ σ Ceti. 25 49 27 51 7 19 32+ 20 14 Jupiter's Center. 13 ^h 32' 50", 6 mean time. 1 26 24 26 59+ 27 34½ Castor. 20 13 30 53- 31 33 12+ Procyon. Pollux.					
5.	55½ 37 26 6 Clouds	31- 38 44+ 12 26 41+	19 35 6+ 39 19½ 43 47 2 27 17- 53 17½	42- 39 55 22 Clouds	17 30 57 28 28½	γ } α } Aquilæ. β } Jupiter's Center. 13 ^h 28' 28", 8 mean time. ☉ 2d L.
6.	41-:	42 18	12 49 40- 15 42 56	50 15	44 11:	☉ 2d L. Venus's Center. 2 ^h 41' 57", 1 mean time.
7.	16 54 8 35½ 23 18	46 54+ 29 48 43+ 10½ 23 53	15 47 32½ 19 35 5 39 18+ 43 45½ 1 24 28 9 55 48	40+ 39 53½ 21-	48 48 29 55½ 25 38	Venus's Center. 2 ^h 42' 38", 3 mean time. γ } α } Aquilæ. β } Saturn's Center. 12 ^h 17' 59", 3 mean time. Regulus.
8.	38 50 53+: 30+ 53½ 8 35 49	54 13 51 31+: 15 29 43 10	12 54 8+ 56 58+ 14 4 55 15 52 10-: 18 39 0- 19 35 4½ 39 18 43 45 20 33 27	57 33½ 5 33 44½ 40 53 20 34 16	58 8½ 6 10 53 25+: 29 15+ 28+ 55 35 4	☉ 1st L. ☉ 2d L. Arcturus. Venus's Center. Uncertain. α Lyræ. γ } α } Aquilæ. β } α Cygni.
9.		57 53-	12 58 28 13 0 38	1 13+	48½	☉ 1st L. ☉ 2d L.
11.	22 6 23 22	22 41 23 57	1 23 16 2 24 33		25 44	Saturn's Center. 12 ^h 1' 6", 5 mean time. With the fix foot Reflector, at 1 ^h 58' 14" by this Clock, the second Satellite of Jupiter immersed. Apparent Time 12 ^h 49' 22". With the fix foot Reflector, at 2 ^h 36' 7" by this Clock, the first Satellite of Jupiter immersed. Apparent Time 13 ^h 27' 9".

In OCTOBER MDCC LXII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
12.	20 9 26 29-	8 55+ 28 13	13 9 30½ 11 41+ 16 10 42½ 18 28 57½	12 16½ 11 21- 29 42	52- 59 26½	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 46' 7", 6 mean time. α Lyræ.
13.	12 2 14 5 51 5 Clouds	12 37 14 43 34 26+ 40+	13 13 13- 15 23 14 4 53- 16 15 21+ 18 28 57 19 35 2 39 15½	15 58+ 5 30 16 0- 29 42- 35 37+ 39 50½ 44 17½	16 33+ 16 38- 30 26 36 12½ 26- Clouds	☉ 1st L. ☉ 2d L. Arcturus. Venus's Center. 2 ^h 46' 50", 2 mean time. α Lyræ. γ } α } Aquilæ. β }
14.	21 11	21 46	1 22 21		Clouds	Saturn's Center. 11 ^h 48' 25", 2 mean time.
16.	3 31 45	25: 38½ 6 34-	19 55 0+: 39 14 43 41 20 33 23-	36: 49+ 16 12	24+ 51 0	γ } α } Aquilæ. β } α Cygni.
With the six foot Reflector, at 10 ^h 8' 20" by this Clock, I observed the end of the Solar Eclipse. Apparent Time 20 ^h 39' 43"+, but uncertain by reason of flying Clouds.						
17.	55 16+	27 30 20 51+	13 28 5+ 30 17 1 21 26½	30 52+	31 27½	☉ 1st L. ☉ 2d L. Saturn's Center. 11 ^h 35' 43", 3 mean time.
18.	Clouds 38 49 3- 30½ 59	26+ 24+ 38 38 43 5½ 20 33+	13 34 2 18 28 55 19 34 59½ 39 13+ 43 40½ 1 21 9-	Clouds 35 35 39 48½ 15½	35 12½ 36 10+ 40 23½ 50½	☉ 2d L. α Lyræ. γ } α } Aquilæ. β } Saturn's Center. 11 ^h 31' 30", 4 mean time.
21.	33 50 4+	34 25+ 38 39+ 43 6½	19 35 1 39 14½ 43 41½	35 36+ 39 49½ 44 16½	36 11+ 25- 51½	γ } α } Aquilæ. β }
23.	2½ 51+	22 42½ 34 26+ 40+ 43 8-	19 23 23+ 35 2 39 16- 43 43	37+ 39 51 44 18	Clouds 12½ 40 26 44 53	☉ 1st L. Very hazy. 5 ^h 15' 1", 6 mean time. γ } α } Aquilæ. β }
25.	57 16½:	Clouds	13 58 28	Clouds		☉ 1st L.
26.	57 28 17 43 15 48+ 35+	58 5½ 18 18 16 24 55 11	21 58 43 1 18 53 2 17 0- 9 55 47-	56 22+	59 58 20 3 18 11 56 58	☉ 1st L. 7 ^h 38' 7", 4 mean time. Saturn's Center. 10 ^h 57' 44", 8 mean time. Jupiter's Center. 11 ^h 55' 41", 9 mean time. Regulus.
27.	58½ 39+	5 34 38 41- 44 16	14 6 10- 8 23+ 19 39 16½ 22 44 53-	8 59 39 51½	9 35- 40 26½ 46 6-	☉ 1st L. ☉ 2d L. α Aquilæ. ☉ 1st L. 8 ^h 20' 13", 6 mean time.
28.	27 28+ 33 51+ 38 5½ 42 33+ 16	24 24 28 13 34 27- 38 41- 43 8+ 28 51+	17 25 3+ 18 28 57½ 19 35 2+ 39 16 43 43+ 23 29 28-	29 42+ 35 38- 39 51+ 18+	26 21 30 27 36 13 40 26+ 53+ 30 39	Venus's Center. 2 ^h 57' 21" mean time. α Lyræ. γ } α } Aquilæ. β } ☉ 1st L. 9 ^h 0' 45", 6 mean time.
29.	42 33	27 43 8	19 35 2½ 39 16+ 43 43+ 20 5 54 6 13+ 6 14-	35 38 51½ 44 18	36 13 26½ 53	γ } α } Aquilæ. β } o Cygni. 1 ^a . ad. o } Cygni. 2 ^a . ad.
30.	16 36+ 51½	17 12 31-	14 20 2- 17 34 10	Clouds	21 13+ 35 28	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 58' 35", 7 mean time.
31.	42 59:	43 35	1 34 11+		Clouds	☉ 1st L. 10 ^h 53' 21", 7 mean time.
Nov. 1.	At 11 ^h Mane I wound up all the Clocks.					
	6- 31 47+ 16 3- 31 50½ 35	41 32 36 16 37½ 32 27 55 10½	19 39 16: 20 33 24½ 1 17 12½ 2 13 51 33 4+ 35 16½ 9 55 46	51+ 34 14 14 26+ 35 54- 22+	26+ 35 2½ Clouds 30½ 58	α Aquilæ. } Very hazy. α Cygni. } Saturn's Center. 10 ^h 32' 29", 5 mean time. Jupiter's Center. 11 ^h 28' 58", 4 mean time. ☉ 1st L. } Cent. 11 ^h 49' 14", 4 mean time. ☉ 2d L. } Regulus.

In NOVEMBER MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
1.			14 4 53+	5 31	8-	<i>Arcturus.</i>
2.	28 21-	28 56+	14 29 33-	32 23½	32 59+	☉ 1st L. ☉ 2d L. <i>Venus's</i> Center. 3 ^h 0' 14", 7 mean time. <i>α Lyræ.</i> <i>γ Aquilæ.</i>
	46 21+	47 1	17 47 40+	29 42+	30 26+	
	27 28+	28 13-	18 28 57+	35 38	36 13+	
	5½	38 41-	39 16	39 51+	40 26+	
3.	30½	16 5+	1 16 40+		50+	<i>Saturn's</i> Center. 10 ^h 24' 5", 1 mean time. <i>Jupiter's</i> Center. 11 ^h 20' 3", 7 mean time. <i>Aldebaran.</i> ☉ 2d L. 13 ^h 31' 49", 8 mean time. <i>Capella.</i> <i>Rigel.</i> <i>β Tauri.</i>
	37+	12 13	2 12 48		14 0-	
	13	21 49	4 22 26-			
	23 37+		24 56+	25 35+	26 15	
	57 37	58 27+	59 17+	0 7+	0 57	
	10 5	10 44+	5 3 14½	3 50	4 25	
			11 24	12 4	12 43+	
	With the six foot Reflector, at 6 ^h 26' 10" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 15 ^h 48' 56".					
			6 34 47	23+	59+	<i>Syrius.</i>
4.	38 6-	28 41	19 39 16+	39 51½	26+	<i>α Aquilæ.</i>
	42 33+	43 8+	43 43+	44 18+	3+	<i>β Cygni.</i>
	47+	32 35½	20 33 24½	34 13½	2½	
5.	44 12	44 48	14 45 24	48 46-	48 52	☉ 1st L. ☉ 2d L. <i>Arcturus.</i>
	3 40-	16+	47 40-	4 54-	8	
6.	14-	56 50+	14 57 27-	0 19½	56	☉ 1st L. ☉ 2d L. <i>Venus's</i> Center. 3 ^h 3' 7", 7 mean time. <i>α Lyræ.</i> <i>γ Aquilæ.</i>
	16 51	17 30	18 18 9½		19 27½	
	28+	12½	28 57+	29 42	26+	
	52-	34 27	19 35 2½	38	13	
	38 5+	41-	39 16	51		
		8	43 43	18		
	59	14 34	1 15 9		16 19	<i>Saturn's</i> Center. 9 ^h 58' 59", 4 mean time. <i>Jupiter's</i> Center. 10 ^h 53' 26", 3 mean time
	34	9 10	2 9 45+		11 57-	
7.	8 25-	9 1	15 9 38-	12 32-	13 8	☉ 1st L. ☉ 2d L. <i>Venus's</i> Center. 3 ^h 3' 47", 9 mean time. <i>α Aquilæ.</i>
		30 1	18 30 40+	39 52-	31 58+	
	42 34-	43 9-	19 39 16½	44 19	41 27	
			43 44		44 54	
8.	13.		15 13 43½	16 37+	17 13½	☉ 1st L. } Very hazy. ☉ 2d L. }
			16 0½			
9.	44	21 20½	2 7 22		9 33	<i>Jupiter's</i> Center. 10 ^h 31' 21", 3 mean time.
10.	41 28	42 7+	15 21 57+	24 52+	28½	☉ 1st L. ☉ 2d L. <i>Venus's</i> Center. 3 ^h 4' 2", 9 mean time. <i>α Aquilæ.</i> <i>α Cygni.</i>
	8-	42½	18 24 15+	39 53+	44 4½	
			19 39 18	34 15+	40 38½	
			20 33 26+		4	
11.	24 52	25 29	15 26 6	29 1-	29 37½	☉ 1st L. ☉ 2d L. <i>α Lyræ.</i> <i>Venus's</i> Center.
	27 31	28 15+	18 29 0+	29 45	29+	
	24+:	46 3:	46 42+:			
	38 8+	34 29½	19 35 5	35 40½	36 16	<i>γ Aquilæ.</i>
		38 43+	39 18½	39 54	40 29	<i>α Cygni.</i>
		43 11-	43 46	44 21	44 56	<i>Fomalhaut.</i>
		32 38	20 33 27:	34 16	35 5	<i>Jupiter's</i> Center.
		5 53-:	2 6 28+:		7 39::	
12.		29 38	15 30 15	33 10	33 47	☉ 1st L. ☉ 2d L. <i>α Lyræ.</i>
	31+	16	18 29 0+	45	29+	
13.	31½	42 8+	15 42 46+	45 42	46 19	☉ 1st L. } Very hazy; with the naked eye. ☉ 2d L. }
			45 5-			
14.	28-	38+	20 33 27+	34 16½	5	<i>α Cygni.</i> ☉ 1st L. 4 ^h 46' 5", 4 mean time.
	48 6+	48 46	48 46	50 4	4	A little hazy.
	With the six foot Reflector, at 0 ^h 22' 42", the first Satellite of Jupiter emerged. A little hazy. Apparent Time 8 ^h 33' 5".					
		12 1	1 12 36	Clouds		<i>Saturn's</i> Center. 9 ^h 9' 12", 4 mean time. <i>Jupiter's</i> Center. 10 ^h 0' 46", 6 mean time.
	3 7½	3 43	2 4 19-			<i>Venus's</i> Center. 3 ^h 2' 7", 9 mean time.
15.	55		19 12 25-	13 42+	16	<i>γ Aquilæ.</i>
	38 9	38 44	35 6-	35 41	40 29½	<i>α Cygni.</i>
		38	39 19+	39 54+	5	
	24 51+	25 28+	20 33 27+	34 16+	27 19+	☉ 1st L. 6 ^h 15' 16", 7 mean time.
			22 26 5½			

In DECEMBER MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
δ 23.		57	22 44 38	18+	59	<i>Fomalhaut.</i> With the six foot Reflector, at 23 ^h 8' 18" by this Clock, the second Satellite of Jupiter emerged. Apparent Time 7 ^h 10' 31", 1.
γ 25.	9 44-	44 54 19	19 39 19+ 23 54 55		30- 56 6+	<i>α Aquilæ.</i> 1st L. 7 ^h 36' 0", 7 mean time.
δ DEC. 14.	25 28	26 6	17 26 44 29 6½	29 44½		1st L. 2d L.
☉ 19.			12 40 15 45 13 13 13 3 5 10½	39½ 48½	16 26½	below 5° 12'. <i>Pole *; below.</i> <i>Spica Virginis.</i> <i>Arcturus.</i>
δ 20.	Mr. Bird cleaned this Transit Instrument, and tried the Line of Collimation, and found it very exact, after turning the Instrument several times—as likewise the Level. He also took the Tube out of the Axis, and put it in again the way it was placed when the Instrument was first made. N. B. It was changed in November, 1759.					
	52 7+	52 46+	17 53 25+ 55 48+ 18 29 13+ 20 6 33 22 6 42-- 23 3 47 5 54 6 57 0 40 24 45 18 48 4 48 12	56 27+ 29 59+	57 6½ 30 44 49+ 57	1st L. 2d L. <i>α Lyrae.</i> <i>Venus's Center.</i> 2 ^h 9' 45", 4 mean time. 1st L. 4 ^h 9' 34", 3 mean time. ↓ 1 ↓ 2 } <i>Aquarii.</i> ↓ 3 above 5° 12'. <i>Pole *; above.</i> below 5° 28'.
	With the six foot Reflector, at 3 ^h 32' 47" by this Clock, the third Satellite of Jupiter immersed. Apparent Time 9 ^h 36' 24", and was emerged at 4 ^h 57' 0". Apparent Time 11 ^h 00' 21".					
	6	42 6	5 42 42+	43 18½	43 18½	<i>α Orionis.</i>
δ 22.	36½ 43+ 46	13 19+	18 4 44 23 3 49+ 23 6 59 36 27	26 6 33 7 35+	2 11½ 37 40	2d L. Naked eye. ↓ 1 ↓ 2 } <i>Aquarii.</i> ↓ 3 1st L. 5 ^h 31' 10", 8 mean time.
γ 23.	5 30½ 45 57-	6 9+ 5 34+ 5 34+	18 6 48 9 12+ 29 16½ 20 6 12+ 19 9+	9 51 30 2½	10 30 48 28	1st L. 2d L. <i>α Lyrae.</i> <i>Venus's Center.</i> 1 ^h 57' 33", 2 mean time. 1st L. 6 ^h 10' 25", 4 mean time. <i>Pole *; above.</i> below 5° 28'. <i>Saturn's Center.</i> 7 ^h 0' 29", 6 mean time. <i>Jupiter's Center.</i> 7 ^h 47' 23", 2 mean time.
	33	19 9+	0 19 46 45 22 48 6 48 14 1 9 58+		20 59 11 10- 58 12	<i>Arcturus.</i>
δ 24.	4 0	4 38	14 5 16+	5 55-	32½	1st L.
γ 25.	14 26	15 5+	18 15 44+ 18 7½ 29 19 20 5 7 0 40 28 45 27 48 8 48 16 1 10 3+ 47 12 49 21+ 56 59+ 5 42 48+ 12 40 28 45 22 13 13 10+ 14 5 17+	18 47- 30 5 10 49½	25½ 30 50+ 22½ 11 15 58 12	2d L. <i>α Lyrae.</i> <i>Venus's Center.</i> 1 ^h 48' 33", 9 mean time. above 5° 12'. <i>Pole *; above.</i> above 5° 30'. <i>Saturn's Center.</i> 6 ^h 52' 40", 2 mean time. Not in catalogue, about 2° above the Moon. 1st L. 7 ^h 31' 51", 7 mean time. <i>Jupiter's Center.</i> 7 ^h 39' 28", 5 mean time. <i>α Orionis.</i> below 5° 12'. <i>Pole *; below.</i> <i>Spica Virginis.</i> <i>Arcturus.</i>
☉ 26.	18 54+	19 33+	18 20 12+ 22 35 0 45 29 1 10 6+ 1 57 0½ 38 13 4 59 42+	23 14 33+	23 53 29 24	1st L. { Hazy. 2d L. { <i>Pole *; above.</i> <i>Saturn's Center.</i> 6 ^h 48' 46" mean time. <i>Jupiter's Center.</i> 7 ^h 35' 32", 4 mean time. 1st L. 8 ^h 16' 37", 8 mean time. <i>Capella.</i>

In DECEMBER MDCC LXII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 26.			5 3 38 12 45 21			<i>Rigel.</i> <i>Pole</i> *; below.
☿ 27.	23 21½ 10	24 0½ 49 42	18 24 40 27 2+:: 3 31 28+ 14 5 20	Clouds	32 47 36	☉ 1st L. ☉ 2d L. ☿ 1st L. 9 ^h 5' 47", 5 mean time. <i>Arcturus.</i>
♂ 28.		28 28	18 29 7+ 31 30	32 9+	32 48+	☉ 1st L. ☉ 2d L.
♂ 30.	34 7	Clouds 14 45	18 38 11:: 40 34 6 37 54 14 5 23-	41 13 58	52 39-	☉ 1st L. Very hazy. ☉ 2d L. ☿ 1st L. Very hazy. <i>Arcturus.</i>

In JANUARY MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire. H / "	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☿ JAN. 1.	With the fix foot Reflector, at 4 ^h 13' 30" by this Clock, the second Satellite of Jupiter emerged. Apparent Time 9 ^h 23' 41".					
☉ 2.			0 40 49 45 42 48 30 48 38 1 10 51- 57 39½ 4 23 9- 5 43 9+ 9 56 33- 57 20	11 26 58 16+ Clouds 43 45½	1½ 53- 44 21 57 46+ 58 37	above 4° 50'. <i>Pole</i> *; above. } below 5° 28'. <i>Saturn's</i> Center. 6 ^h 21' 40", 3 mean time. <i>Jupiter's</i> Center. 7 ^h 8' 21", 6 mean time. <i>Aldebaran.</i> <i>α Orionis.</i> <i>Regulus.</i> ☿ 2d L. 15 ^h 6' 40", 7 mean time.
♂ 5.	4 48 27+ Clouds 41 57 55 19 56 3+	5 25+ 57 3 22 31+ 42 33	14 6 4+ 57 39½ 4 23 9- 5 43 9+ 9 56 33- 57 20	6 43 58 16+ Clouds 43 45½	7 21 53- 44 21 57 46+ 58 37	<i>Arcturus.</i> At 17 ^h 51' 0", N. G. 1' 4½". N. Q. 1' 9". It appears by this comparison, that G. and Q. have varied from each other only 1"½ since the 1st instant, being 4 Days. But by the passage of <i>Arcturus</i> , the Instrument being truly level, and pointing exactly to the Mark, the Clock has gained from the 30th to this day, being 6 Days, 41"½. I have examined the Clock, but cannot find any thing out of order. It vibrates 1° 28' on each side.
♂ 6.	8 18 10 33+ 57 27½ 26 48	8 56 11 8½ 58 4 23 3 53 25+ 38	19 9 35+ 11 57½ 0 41 20 49 0½ 49 8½ 1 11 44½ 58 40½ 4 23 40½ 5 0 33½ 6 4 29+ 7 36 3 28 14 32 8	12 36½ 12 20½ 59 17 18 1 25+ 5 6 36 40+ 30	13 15½ 56 59 53+ 24 55 16 5 42 17+ 12 22 25+	☉ 1st L. ☉ 2d L. above 5° 0'. } below 5° 20'. <i>Saturn's</i> Center. 6 ^h 6' 18", 6 mean time. <i>Jupiter's</i> Center. 6 ^h 53' 6", 8 mean time. With the fix foot Reflector, at 3 ^h 54' 30" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 8 ^h 42' 6". <i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>Syrus.</i> <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i>
♂ 12.	35 2+ 22 59	35 40½ 23 36 Clouds	19 36 19+ 4 24 13 6	Clouds 24 50+ 37 13	25 27	☉ 1st L. <i>Aldebaran.</i> <i>Syrus.</i>
♂ 14.	43 50+ 20½ 59 45+	44 28½ 12 57- 0 21	19 45 7+ 47 28+ 0 42 2 46 51 49 46 49 55½ 1 13 33 2 0 58	48 7+ 14 8+	48 45+ 14 44½ 2 11	☉ 1st L. ☉ 2d L. above. 5° 0'. <i>Pole</i> *; above. } below 5° 20'. <i>Saturn's</i> Center. 5 ^h 35' 56", 2 mean time. <i>Jupiter's</i> Center. 6 ^h 23' 13", 7 mean time.

In JANUARY M DCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
14.	23 9	23 46 0 25 4 36	4 24 23 5 1 16+ 5 5 12+ 12 41 59 46 42 49 54 50 4	25 1- 2 7½ 3 49-	25 37 2 59	Aldebaran. Capella. Rigel. Pole *; be w. below 5° 0'. } Thermome- ter without 20½ when these were observed. } above 5° 20'.
15.	0 5 14 39- 4 5	48 52½: 13 12- 0 41½ 23 51 29½ 41 43 52+	19 59 31: 0 46 56 1 13 48- 2 1 18 4 24 28+ 5 1 21 5 17 44 28½ 12 42 4 46 44 49 58 50 8 18	5½ 2 13 5 53+ 45 5	14 59½ 2 31 42 3 4 29½ 45 41	☉ 1st L. So hazy, scarce visible. Pole *; above. Hazy. Saturn's Center. 5h 32' 10", 5 mean time. Jupiter's Center. 6h 19' 33", 3 mean time. Aldebaran. Capella. Rigel. α Orionis. Pole *; below. below 5° 0'. } above 5° 20'. α Lyrae. Venus's Center. 23h 32' 15", 9 mean time.
16.	52 36+ At 20h 10' 0", N. Q. 2' 27". 0 26 44 4 10 43 22	53 15- 13 27 1 3- 34½ 46 43 58	19 53 53 56 13+ 0 42 11 47 0 49 59 50 9 1 14 3 2 1 39 5 1 26+ 5 22+ 44 34	56 52- N. G. 2' 21". 2 16- 18- 59 45 10	57 30 vi. rates 1° 15 15 2 52 9 34+ 45 46	☉ 1st L. ☉ 2d L. At 20h 10' 0", N. Q. 2' 27". N. G. 2' 21". N. vi. rates 1° 54'; G. 1° 40'; and Q. 1° 38'. Pole *; above. above 5° 0'. } below 5° 20'. Saturn's Center. 5h 28' 24", 4 mean time. Jupiter's Center. 6h 11' 56", 4 mean time. Capella. Rigel. α Orionis.
17.	56 58 12 13 7 0 48- 23 24-	57 36+ 35 49 13 42- 1 24 24 0 29½	19 58 15 0 35 22 36 27 1 14 18½ 2 2 0½ 4 24 38+ 5 1 31 5 27	1 14- 54½ 2 37 25 15½ 2 23- 6 4	1 51½ 30 3 13+ 25 53 14 40-	☉ 1st L. ☉ 2d L. ☽ 1st L. V. faint. 2h 47' 14", 1 mean time. Saturn's Center. 5h 24' 38", 8 mean time. Jupiter's Center. 6h 12' 13", 2 mean time. Aldebaran. Capella. Rigel.
23.	6 51 23 56 43 59 28 32	7 29+ 24 33+ 44 35 29 8 32 57+	3 8 8½ 4 25 11 5 45 11½ 7 22 17+ 29 44+ 33 38+	8 47+ 25 48 45 47½ 30 20+ 34 19+	9 26 26 25 46 23 23 42 30 56 35 9+	☽ 1st L. 6h 54' 2" mean time. Aldebaran. α Orionis. Castor. Procyon. Pollux.
24.	27 13	27 50+	20 28 29- 30 48	31 25½	32 3½	☉ 1st L. ☉ 2d L.
27.	39 58+ 24 17+ 1 33 5 45 14 52- 21 56+ 32 53 23 38	40 36- 24 54+ 1 33 5 45 14 52- 21 56+ 33 18½	20 41 14 43 32- 4 25 31+ 5 2 24+ 6 21 7 15 33½ 22 39 33 59½	44 10- 26 9+ 3 16 6 57 23 22- 30 41- 34 40+	44 47½ 26 46 4 7+ 7 33 16 57 24 3½	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. ☽ 1st L. 10h 44' 41" mean time. Castor. Procyon. Pollux.
FEB. 1.	At 10h Mane I wound up the Clocks.	N. Q. 4' 24".	N. G. 4' 13".			
2.	31 6+ Clouds	31 52 18 32 38	33 24 34 9+			☉ 1st L. ☉ 2d L. α Lyrae.
3.	43 Clouds 46	9 19 25 32- 14	2 9 56 4 26 9½ 5 46 10 9 1½	46 47	11 9 27 23½ 9 56 10 17	Jupiter's Center. 5h 11' 46", 3 mean time. Aldebaran. α Orionis. Arcturus. ☽ 2d L. 17h 8' 51", 3 mean time.
6.	At 12h Mane I compared the Clocks. Thermometer within 40.	N. G. 4' 46".	N. Q. 4' 56".			
7.	25 37+ Clouds	26 14+ Clouds	21 26 51½ 29 7	29 44+		☉ 1st L. ☉ 2d L.
8.	56 Clouds	32 33- Clouds	21 33 10			☉ 2d L.

In FEBRUARY MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
8 9.	44-	34 21- 35	21 Clouds	35 35- 37 49½	12 26+	☉ 1st L. ☉ 2d D.
9 11.	41 46+	42 23+	21 43 1-: 45 15-	45 52+ 34 3+	Clouds 34 49	☉ 1st L. ☉ 2d L. α Lyræ.
10 12.	Clouds	48 37+	21 49 15-	47 37+ 49 52-	14 50 28½	☉ 1st L. ☉ 2d L.
11 13.	At 20 ^h Mane I stopped the Clock, put a little Oil to the Crutch and Pallets, and let down the Ball of the Pendulum 5½ Divisions of the Nut. The Clock vibrated 1° 50' on each side, and has continued to increase its vibrations since Jan. 5, (when it vibrated only 1° 28,) as the cold abated. Feb. 6, it vibrated 1° 55', the Thermometer within doors standing at 41°, but this Morning it stood at 36°. By comparing this Clock with Q, it is yet going 4' 43" slower than it was before, being now about 10" too slow for Siderial Time. It vibrates, at 21 ^h 40', on each side 1° 50'. The mark very fluttering, but seemingly very right. The Level exactly right.					α Lyræ.
12 14.	49 3 20 57-	49 40- 51 54- 21 34:	21 50 16½ 52 30½: 4 22 11½:	53 8- 22 49	53 44 23 26+	☉ 1st L. } Fluttering. ☉ 2d L. } Aldebaran.
			5 19 38 57	42 48+ 39 33	43 24 9	α Orionis. α Aquilæ.
13 19.	8 19	8 55+ 14 0+ 44 14+ 18	22 9 32 11 45- 2 14 37+ 4 5 2 54½	12 21½ 49½ 31	12 58- 7	☉ 1st L. } Little hazy. ☉ 2d L. } Jupiter's Center. 4 ^h 17' 33", 8 mean time. ☉ 1st L. Capella. Rigel.
14 20.	34 58 57 14½	35 37+ 58 5½ 2 17+	3 36 17+ 4 58 57 5 2 53+ 3 29½	49 48+: 3 29½	37 36+ 0 39+ 6	☉ 1st L. 5 ^h 35' 5", 7 mean time. Capella. Rigel.
	At 20 ^h Mane by this Clock, N. G. 57". N. Q. 1' 2". I likewise examined the Spirit Level and Meridian Mark, and found they were both very exact. I likewise screwed up the Bob or shortened the Pendulum of this Clock 1½ Divisions. The Clock was not stopped.					
15 21.		16 32+	22 17 9 19 21+	19 58	20 34½	☉ 1st L. ☉ 2d L.
16 23.	40 51 33 10 30 27- 33 34- 41+	40 27 33 47+ 37 8+ 34 11- 38 17½	5 42 3½ 6 34 25 37 50+ 18 28 36 19 34 48+ 38 54	35 2 29 22 39 30+	43 15+ 7½ 36 3+	α Orionis. Syrius. ☉ 1st L. 8 ^h 24' 22", 8 mean time. α Lyræ. Venus's Center. 21 ^h 19' 14", 1 mean time. α Aquilæ.
17 25.	31 7+ Clouds 23 29 7+	31 43 Clouds 25 59 48:	22 32 19+ 34 31+ 6 34 23+ 7 26 35: 30 29	35 7½ 1+	35 43½ Clouds 11	☉ 1st L. ☉ 2d L. Syrius. Procyon. Pollux.
18 26.	37 4	37 40	22 38 16+	38 52+	28½	☉ 2d L. Very windy and cloudy.
19 27.	At 11 ^h Mane I examined the Spirit Level and Meridian Mark, and found them right. I likewise compared the Clocks, and found N. Q. 1' 17", N. G. 1' 6". They vibrated as follows; viz. N. 1° 58'; Q. 1° 38'; and G. 1° 40'.					
	38 37 Clouds 57 10 1 37-	39 13+ 58 1 2 12½ 46½ 9	22 39 50 42 1- 4 22 0 58 53- 5 2 49 18 28 32½ 19 46 46½ 20 32 58	42 37+ 22 37+ 59 44 3 25½ 29 18½	43 13½ Clouds 35 4 1+ 30 4 48 1½ Clouds	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α Lyræ. Venus's Center. 21 ^h 15' 30", 1 mean time. α Cygni.
20 28.	Clouds 44 33	Clouds	22 45 44½	Clouds	44 46	☉ 1st L. ☉ 2d L.
21 MAR. 1.	At 11 ^h Mane I wound up the Clocks, and found the Meridian Mark, and Spirit Level exactly right.					
	Clouds		22 49 28+	50 4½	Clouds	☉ 2d L.
22 2.		50 24+	22 51 1- 53 11½	53 47+ 54 23+		☉ 1st L. ☉ 2d L.
	The Wind so excessively high I could not distinguish the beat of the Clock.					
23 3.		54 7+	22 54 43 56 53½ 7	57 29½ 58 5½ 20 27 27 40½ 4		☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux.

In MARCH MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H " "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
4.		57 56 2 7+ 10 13+ 25 52 29 1 26+ 58	4 58 47½ 5 2 44- Clouds 7 26 28 30 22 9 17 45 15 24 14 34 18-	59 39 3 20 4 3 18 24 24 54½ 34 58	0 30 3 56 40 43½ 19 3 38	Capella. Rigel. β Tauri. Procyon. Pollux. λ Leonis. α Coronæ. D 2d L. 16 ^h 44' 7", 6 mean time.
5.	0 55 39 57 4- 1 30+ 9 31+ Clouds 31 48+ 37 32+ 5 23	1 31 21 16+ 57 55 2 6 10 12+ 33 38 38 8+ 6 0	23 2 7 4 17½ 4 21 54- 58 46+ 5 2 42+ 11 33 41 54: 6 34 16- 7 30 21 16 33 11 19 38 44½ 20 6 37½	4 54- 22 31 59 37½ 3 19 11 34- 42 30½ 34 53+ Clouds 33 52+ 39 21	5 29½ 23 8 0 29 3 55 12 14½ 43 6 35 30½ 31 42+ 34 33½ 39 57 7 52½	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. β Tauri. α Orionis. Syrius. Pollux. D 2d L. 17 ^h 38' 56", 5 mean time. α Aquilæ. Venus's Center. 21 ^h 11' 48", 6 mean time.
6.	At 11 ^h Mane I compared the Clocks. N. Q. 1' 23". N. G. 1' 12". I likewise examined the Meridian Mark, and Spirit Level.					
	4 36+ 57 2- 59½ 31 35+	5 12 23 51+ 57 54 2 5+ 41 17 33 37	23 5 48 7 58+ 2 24 29- 4 5 2 42- 41 53 6 34 14½ 17 32 59	8 35- 22 30 59 37- 18 42 29 34 52 33 41+	9 10½ 42 23 7 0 28 54 43 5+ 35 29 34 23	☉ 1st L. ☉ 2d L. Jupiter's Center. 3 ^h 28' 37", 6 mean time. Aldebaran. Capella. Rigel. α Orionis. Syrius. D 2d L. 18 ^h 34' 40", 1 mean time.
7.	8 17 23 57+ 57 1 27 39½ 25 12+ 31 1+ 12 24½	9 52½ 24 34 57 52 2 4 41 15+ 15 29 37+ 31 42½ 13 2	23 9 28½ 11 39+ 2 25 11 4 58 44 5 2 40 41 51+ 7 18 58- 26 24 30 18+ 18 32 24+ 20 13 39+	12 15+ 59 35+ 3 16+ 42 28 19 40+ 27 0+ 59	12 51- 26 24½ 26½ 52+ 42 53½ 22 35 40 14 54+	☉ 1st L. ☉ 2d L. Jupiter's Center. 3 ^h 25' 25", 7 mean time. Capella. Rigel. α Orionis. Castor. Procyon. Pollux. D 2d L. Very hazy. Venus's Center. 21 ^h 7' 2", 8 mean time.
8.	32 54 0 28 38 16 59+	12 32+ 16+ 54 37- 37 3 16 36½ 31 57	23 13 8+ 15 19 2 25 53 9 55 13½ 19 30 1 38 40 20 17 14+ 32 48-	15 55 39 16½ 38	16 30+ 56 27 31 25 39 52½ 18 29 34 28+	☉ 1st L. ☉ 2d L. Jupiter's Center. 3 ^h 22' 13", 4 mean time. Regulus. D 2d L. Very uncertain. α Aquilæ. Venus's Center. 20 ^h 47' 5" mean time. α Cygni.
9.	15 36½ 20 33+ 56 58 1 24+	12 21 10: 49 2 0+	23 16 48 18 58 4 21 48 58 41 5 2 36½	24½ 34½ 22 25+ 59 32 3 13	0½ 20 10 2 0 23 3 49	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. With the six foot Reflector, at 6 ^h 27' 12" by this Clock, the third Satellite of Jupiter emerged. Apparent Time 7 ^h 8' 14". With the two foot Reflector, at 6 ^h 26' 49", by the Rev. Mr. Maskelyne. Apparent Time 7 ^h 7' 51". With the six foot Reflector, at 6 ^h 49' 28" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 7 ^h 30' 26". With the two foot Reflector, at 6 ^h 49' 18", by the Rev. Mr. Maskelyne. Apparent Time 7 ^h 30' 16".
	25 9 28 53+	7 18 55- 26 20½ 29 34+ 30 15+	19 37 26 57 30 56+	20 19 27 32½ 31 37	Castor. Procyon. Pollux.	
10.	19 15+	19 51+	23 20 27½ 22 37+	23 13½ 23 49½	☉ 1st L. ☉ 2d L.	
12.			23 27 46: 29 56-: 4 58 37 5 2 33 41 44½ 6 11 40- 34 6	30 31½: 59 28+ 3 9+ 42 21- 43+	6½: 0 19+ 3 45+ 42 56+ ☉ 1st L. } Could not hear the ☉ 2d L. } Clock for wind. Capella. Rigel. α Orionis. β Canis majoris. Syrius.	
	20 40 32+ 25 51+	1 56½ 41 8+ 2 28+				

In MARCH MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
13.	About $\frac{1}{2}$ an hour before the $\odot$'s passage I put this Clock forward $31''$, and shortened the Pendulum 2 Divisions.					
	30 43+	31 19-	23 31 55 34 6 6 34 36 $\frac{1}{2}$ 7 19 22+	34 42+	35 18-	$\odot$ 1st L. } Very windy and great tremor. $\odot$ 2d L. } Sirius. Castor. Procyon. Pollux.
	25 36 21	26 12 $\frac{1}{2}$ 30 2	26 48 $\frac{1}{2}$ 30 43	27 25 31 23+	28 0 $\frac{1}{2}$ 4	
14.	34 24+	34 0	23 35 36 37 46 4 59 7+	38 22 59 59 3 40	38 57 $\frac{1}{2}$ 0 50 4 16	$\odot$ 1st L. $\odot$ 2d L. Capella. Rigel. Sirius. Castor. Procyon. Pollux. α Cygni. Venus's Center. 21 ^h 9' 26", 8 mean time.
	33 22	33 59+	6 34 37- 7 19 22	34 14+ 20 4 $\frac{1}{2}$	34 51+ 28 46 $\frac{1}{2}$	
	36 29 21	12+ 30 2-	26 48+ 30 42+	24 $\frac{1}{2}$ 31 23	1- 32 4	
	38 51+	32 23+ 39 29	20 33 14 40 6+	34 4 $\frac{1}{2}$	34 54 41 21	
15.	38 3	38 38 $\frac{1}{2}$	23 39 15- 41 24+	42 0 $\frac{1}{2}$ 59 58	36 49+	$\odot$ 1st L. $\odot$ 2d L. Capella. Rigel. α Orionis. Sirius. λ Leonis.
	1 51- 2+	26 $\frac{1}{2}$ 41 38 $\frac{1}{2}$	5 3 3 42 15-	3 39+ 51	15 $\frac{1}{2}$ 27	
	46	17 25	6 18 4+	35 13 $\frac{1}{2}$ 18 44	35 51- 22+	
16.	Clouds		23 42 53 $\frac{1}{2}$ 45 3	45 38 $\frac{1}{2}$	46 14	$\odot$ 1st L. $\odot$ 2d L.
19.	Clouds 29 18	29 59 $\frac{1}{2}$	7 Cloudy	27 21	27 57+	Procyon. Pollux.
20.	At 10 ^h Mane I examined the Instruments, and found them just. N. Q. o' 18".					
	56 14+	56 50	23 59 35	Clouds Clouds		$\odot$ 1st L. $\odot$ 2d L.
22.	40 59 18- 31+ 29 16+	41 35 11 0 33 55 26 8 29 57	5 42 11+ 6 11 42 34 32 $\frac{1}{2}$ 7 26 44- 30 38	42 47+ 35 10+ 27 20 31 19	43 23+ 13 5+ 35 47 27 56 31 59+	α Orionis. $\odot$ 1st L. 6 ^h 12' 1", 6 mean time. Sirius. Procyon. Pollux.
24.	10 44 33 16 17 51 25 30 29 15-	11 20- 33 53 $\frac{1}{2}$ 18 33 $\frac{1}{2}$ 26 6+ 29 55+	0 11 56 14 5- 6 34 31 7 19 16 26 42+ 30 36+ 8 14 21+ 19 8+	14 41 8 $\frac{1}{2}$ 19 59- 27 19- 31 17+	15 17- 46- 21 41 27 54+ 31 57 $\frac{1}{2}$ 20 30-	$\odot$ 1st L. $\odot$ 2d L. Sirius. Castor. Procyon. Pollux. * in the same parallel as the Moon. $\odot$ 1st L. 8 ^h 12' 16", 5 mean time.
26.	17 57+ 57 17 55- 33 14 25 28 29 13 19 38-	18 33 Clouds 41 31 33 51+ 26 4 29 53+ 20 16	0 19 9 21 18 4 5 42 7+ 6 34 29 7 26 40+ 30 34+ 10 20 54-	21 54 59 51 42 44- 35 6+ 27 16+ 31 15+	22 30- 0 42 19 $\frac{1}{2}$ 35 43 $\frac{1}{2}$ 27 52+ 31 55 $\frac{1}{2}$ 22 10	$\odot$ 1st L. $\odot$ 2d L. Capella. α Orionis. Sirius. Procyon. Pollux. $\odot$ 1st L. 10 ^h 4' 52", 4 mean time.
27.	21 34- 25 27- 29 11+	22 10- 18 30 26 2 $\frac{1}{2}$ 29 52	0 22 45+ 24 54 $\frac{1}{2}$ 7 19 12 26 39- 30 33	25 30 $\frac{1}{2}$ 19 55 27 15 31 14	26 6+ 20 37 27 50 $\frac{1}{2}$ 31 54+	$\odot$ 1st L. $\odot$ 2d L. Castor. Procyon. Pollux.
29.	At 11 ^h Mane I examined the Meridian Mark, and Spirit Level, and found they were very just. I likewise compared the Clocks, and found N. Q. o' 33". N. G. o' 23".					
30.	32 23 Clouds 23 29 8-	32 59 58 2 59 29 48+	0 33 35 35 44- 4 58 54+ 5 7 26 35 30 29	36 20- 59 46 3 27 11 31 10	36 56- 36+ 4 3 47 50 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. Capella. Rigel. Procyon. Pollux.
APR. 1.	At 11 ^h Mane I wound up the Clocks, and examined the Instruments, and found them just.					
5.	54 7+ 54 7+	54 43+ 54 44	0 55 19+ 57 29+	58 5+ 55 57+	58 41 34	$\odot$ 1st L. $\odot$ 2d L. λ Leonis. Regulus.

In APRIL MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
7.	1 22:	1 58½	1 Clouds 4 44	5 20	5 56	☉ 1st L. { Naked eye. ☉ 2d L. }
9.	Clouds 25 14 28 58	57 54- 5 25 49½ 29 39	1 4 58 45 5 2 41 7 18 59+ 26 25+ 30 20	12 37 59 36+ 18 19 42 27 2 31 1	13 13 0 27½ 20 24 37½ 31 41	☉ 2d L. Capella. Rigel. Castor. Procyon. Pollux.
10.	At 11½ Mane I examined the Instruments, and found them just. N. Q. 51". N. G. 45". The vibrations of the Clocks as follow; viz. N. 2° 5'. Q. 1° 33'. G. 1° 40'. 12 17 13- 25 48+ 29 38					☉ 1st L. } Hazy. ☉ 2d L. } Procyon. Pollux.
11.	Clouds		1 19 54+	20 30		☉ 2d L.
12.	19 35 56 59+ 28 55 47+	20 11 57 50 29 35½	1 20 47+ 22 57+ 4 58 41½ 7 30 16+ 22 38 0	23 33½ 59 33 30 57+	24 0 0 24 27 34+ 38 39 12½	☉ 1st L. ☉ 2d L. Capella. Procyon. Pollux. Venus's Center. 21h 13' 28" mean time.
13.	23 15 56 59- 32 56 25 10 54+ 40 59	23 51 50- 33 33 18 13 25 46 29 35 41 35	1 24 27 26 37+ 4 58 41+ 5 2 37½ 6 34 10½ 7 18 55½ 26 22 30 16 22 12 1½	27 13½ 59 31 3 34 48 19 38+ 26 58 30 57+	24- 50 35 25 20 20 27 34 31 37+ 43 24	☉ 1st L. ☉ 2d L. Capella. Rigel. Sirius. Castor. Procyon. Pollux. Venus's Center. 21h 13' 43",3 mean time.
14.	50 50 50 54	27 32 50 33 18 13 25 46 35	1 28 8+ 30 18+ 4 58 41+ 5 2 37½ 6 34 10½ 7 18 55½ 26 22 30 16	30 55½ 33- 14 34 48 19 38+ 26 58 30 57+	24- 50+ 35 25+ 20 20 27 34 31 37+ 43 24	☉ 1st L. ☉ 2d L. Capella. Rigel. Sirius. Castor. Procyon. Pollux.
15.	59 25 10 54+	52 50- 1 46 35	4 53 41 5 2 37½ 7 18 56+ 26 22+ 30 16	33 14 19 38+ 58 57	24- 50 20 20 34 37	Capella. Rigel. Castor. Procyon. Pollux.
16.	34 20::	Clouds	1			☉ 1st L.
17.	Clouds		7 26 25½	Clouds		Procyon.
18.	Clouds		1 42 59	Clouds		☉ 1st L.
20.	49 12 54 4+ 10 27-	49 48+ 54 41: 11 3-	1 50 25+ 52 36 9 55 18- 23 11 39	53 13 55 54½	53 49+ 31 12 51+	☉ 1st L. ☉ 2d L. Regulus. Venus's Center. 21h 15' 30" mean time.
21.	52 55½ 1 29½ 33 0+ Clouds 55 47+ 54 4+	53 32 53+ 2 5½ 33 37+ 56 27 54 41	1 54 9- 56 20 4 58 45+ 5 2 42 6 34 15- 7 19 0 8 57 7- 9 55 18-	56½ 59 37- 3 18 34 52+ 19 42 55 55-	57 33 0 28 3 54 29+ 20 24+ 58 26+ 57 31	☉ 1st L. ☉ 2d L. Capella. Rigel. Sirius. Castor. ☉ 1st L. 6h 59' 19" mean time. Regulus.
22.	56 40- 17 36 28 59: 22	57 16+ 18 18 25 50 29 39+ 55 0+	1 57 53 Clouds 7 19 0 26 26 30 20+ 9 55 38½	19 42 27 2+ 31 1+	1 17+ 20 24+	☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux. ☉ 1st L. 7h 53' 45" mean time.
23.	Clouds 54 4 50 37	54 41 51 15	7 9 55 17½ 10 51 52+	55-	27 38 31+ 7+	Procyon. Regulus. ☉ 1st L. 8h 45' 53",5 mean time.
25.	Clouds Clouds	29 39	7 19 59 26 26 30 20	19 41 27 2½ 31 1½	Clouds Clouds 42	Castor. Procyon. Pollux.

In MARCH MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 13.	About $\frac{1}{2}$ an hour before the ☉'s passage I put this Clock forward 31", and shortened the Pendulum 2 Divisions.					
	30 43+	31 19-	23 31 55 34 6 6 34 36½ 7 19 22+	34 42+	35 18-	☉ 1st L. } Very windy and great tremor. ☉ 2d L. } Syrius. Castor. Procyon. Pollux.
	25 36 21	26 12½ 30 2	26 48½ 30 43	27 25 31 23+	28 0½ 4	
☿ 14.	34 24+	34 0	23 35 36 37 46 4 59 7+	38 22 59 59 3 40	38 57½ 0 50 4 16	☉ 1st L. ☉ 2d L. Capella. Rigel. Syrius. Castor. Procyon. Pollux. α Cygni. Venus's Center. 21 ^h 9' 26", 8 mean time.
	33 22	33 59+	6 34 37- 7 19 22	34 14+ 20 4½	34 51+ 46½	
	36 29 21	12+ 30 2-	26 48+ 30 42+	24½ 31 23	28 1- 32 4	
	38 51+	39 29	20 33 14 40 6+	34 4½	34 54 41 21	
♂ 15.	38 3	38 38½	23 39 15- 41 24+	42 0½	36	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Syrius. λ Leonis.
	1 51- 2+	58 15 26½ 41 38½	4 58 7 5 3 3 6 42 15-	59 58 3 39+ 51	49+ 15½ 27	
	46	17 25	9 18 4+	35 13½ 18 44	35 51- 22+	
♂ 16.	Clouds		23 42 53½ 45 3	45 38½	46 14	☉ 1st L. ☉ 2d L.
♂ 19.	Clouds 29 18	29 59½	7 Cloudy	27 21	27 57+	Procyon. Pollux.
☉ 20.	At 10 ^h Mane I examined the Instruments, and found them just. N. Q. o' 18".					
	56 14+	56 50	23 59 35 Clouds	Clouds		☉ 1st L. ☉ 2d L.
♂ 22.	40 59 18- 31+	41 35 11 0 33 55 26 8	5 42 11+ 6 11 42 7 34 32½ 26 44- 30 38	42 47+ 35 10+ 27 20 31 19	43 23+ 13 5+ 35 47 31 59+	α Orionis. ☉ 1st L. 6 ^h 12' 1", 6 mean time. Syrius. Procyon. Pollux.
♂ 24.	10 44 33 16 17 51 25 30 29 15-	11 20- 33 53½ 18 33½ 26 6+ 29 55+	0 11 56 14 5- 6 34 31 7 19 16 26 42+ 30 36+ 8 14 21+ 19 8+	14 41 8½ 19 59- 27 19- 31 17+	15 17- 46- 21 41 27 54+ 31 57½ 20 30-	☉ 1st L. ☉ 2d L. Syrius. Castor. Procyon. Pollux. * in the same parallel as the Moon. ☉ 1st L. 8 ^h 12' 16", 5 mean time.
♂ 26.	17 57+ 57 17 55- 33 14 25 28 29 13 19 38-	18 33 Clouds 41 31 33 51+ 26 4 29 53+ 20 16	0 19 9 21 18 4 42 7+ 5 42 29 7 26 40+ 30 34+ 10 20 54-	21 54 59 51 42 44- 35 6+ 27 16+ 31 15+ 22 10	22 30- 0 42 19½ 35 43½ 27 52+ 31 55½ 22 10	☉ 1st L. ☉ 2d L. Capella. α Orionis. Syrius. Procyon. Pollux. ☉ 1st L. 10 ^h 4' 52", 4 mean time.
☉ 27.	21 34- 25 27- 29 11+	22 10- 18 30 26 2½ 29 52	0 22 45+ 24 54½ 7 19 12 26 39- 30 33	25 30½ 19 55 27 15 31 14	26 6+ 20 37 27 50½ 31 54+	☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux.
♂ 29.	At 11 ^h Mane I examined the Meridian Mark, and Spirit Level, and found they were very just. I likewise compared the Clocks, and found N. Q. o' 33". N. G. o' 23".					
♂ 30.	32 23 Clouds 23 29 8-	32 59 58 2 59 29 48+	0 33 35 35 44- 4 58 54+ 5 7 26 35 30 29	36 20- 59 46 3 27 11 31 10	36 56- 36+ 4 3 47 50½	☉ 1st L. ☉ 2d L. Capella. Rigel. Procyon. Pollux.
♀ APR. 1.	At 11 ^h Mane I wound up the Clocks, and examined the Instruments, and found them just.					
♂ 5.	54 7+ 54 7+	54 43+ 54 44	0 55 19+ 57 29+ 9 17 47 55 21	58 5+ 58 57+	58 41 34	☉ 1st L. ☉ 2d L. λ Leonis. Regulus.

In APRIL MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. II / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
7.	1 22:	1 58½	1 Clouds 4 44	5 20	5 56	☉ 1st L. } Naked eye. ☉ 2d L. }
9.	Clouds 25 14 28 58	57 54- 5 25 49½ 29 39	1 4 58 45 5 2 41 7 18 59+ 26 25+ 30 20	12 37 59 36+ 18 19 42 27 2 31 1	13 13 0 27½ 20 24 37½ 31 41	☉ 2d L. Capella. Rigel. Castor. Procyon. Pollux.
10.	At 11½ Mane I examined the Instruments, and found them just. N. Q. 51". N. G. 45". The vibrations of the Clocks as follow; viz. N. 2° 5'. Q. 1° 33'. G. 1° 40'. 12 17 12 53 1 13 29 16 15½ 27 51½ 13- 25 48+ 7 26 24½ 27 1- 27 36½ 29 38 30 18½ 30 59+ 31 40+					
11.	Clouds		1	19 54+	20 30	☉ 2d L.
12.	19 35 56 59+ 28 55 47+	20 11 57 50 29 35½	1 20 47+ 22 57+ 4 58 41½ 7 30 16+ 22 38 0	23 33½ 59 33 30 57+	24 9½ 0 24 27 34+ 38 39 12½	☉ 1st L. ☉ 2d L. Capella. Procyon. Pollux. Venus's Center. 21h 13' 28" mean time.
13.	23 15 56 59- 32 56 25 10 54+ 40 59	23 51 50- 2 1+ 33 33 18 13 25 46 29 35 41 35	1 24 27 26 37+ 4 58 41+ 5 2 37½ 6 34 10½ 7 18 55½ 26 22 30 16 22 42 11½	27 13½ 59 33- 3 14 34 48 19 38 26 58 30 57	24- 50 35 25 20 20 27 34 31 37+ 43 24	☉ 1st L. ☉ 2d L. Capella. Rigel. Syrius. Castor. Procyon. Pollux. Venus's Center. 21h 13' 43", 3 mean time.
14.	59 25 32 56 54	50- 1+ 33 18 13 25 46 35	1 28 8+ 30 18+ 4 58 41+ 5 2 37½ 6 34 10½ 7 18 55½ 26 22 30 16	30 55½ 33- 14 34 48 19 38+ 26 58 30 57+	24- 50+ 35 25+ 20 20 37	☉ 1st L. ☉ 2d L. Capella. Rigel. Syrius. Castor. Procyon. Pollux.
15.	59 25 10 54+	52 50- 1 46 35	4 53 41 5 2 37½ 7 18 56+ 26 22+ 30 16	33 14 19 38+ 58 57	24- 50 20 20 34 37	Capella. Rigel. Castor. Procyon. Pollux.
16.	34 20::	Clouds	1			☉ 1st L.
17.	Clouds		7 26 25½	Clouds		Procyon.
18.	Clouds		1 42 59	Clouds		☉ 1st L.
20.	49 12 54 4+ 10 27-	49 48+ 54 41: 11 3-	1 50 25+ 52 36 9 55 18- 23 11 39	53 13 55 54½	53 49+ 31 12 51+	☉ 1st L. ☉ 2d L. Regulus. Venus's Center. 21h 15' 30" mean time.
21.	52 55½ 1 29½ 33 0+ Clouds 55 47+ 54 4+	53 32 53+ 2 5½ 33 37+ 56 27 54 41	1 54 9- 56 20 4 58 45+ 5 2 42 6 34 15- 7 19 0 8 57 7- 9 55 18-	56½ 59 37- 3 18 34 52+ 19 42 55 55-	57 33 0 28 3 54 29+ 20 24+ 58 26+ 57 31	☉ 1st L. ☉ 2d L. Capella. Rigel. Syrius. Castor. ☉ 1st L. 6h 59' 19" mean time. Regulus.
22.	56 40- 17 36 28 59: 22	57 16+ 18 18 25 50 29 39+ 55 0+	1 57 53 Clouds 7 19 0 26 26 30 20+ 9 55 38½	19 42 27 2+ 31 1+	1 17+ 20 24+	☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux. ☉ 1st L. 7h 53' 45" mean time.
23.	Clouds 54 4 50 37	54 41 51 15	7 9 55 17½ 10 51 52+	55- 27 38 31+ 7+	27 38 31+ 7+	Procyon. Regulus. ☉ 1st L. 8h 45' 53", 5 mean time.
25.	Clouds Clouds	29 39	7 19 59 26 26 30 20	19 41 27 2½ 31 1½	Clouds Clouds 42	Castor. Procyon. Pollux.

In MAY MDCCCLXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
25.	Clouds 39 40	40 16	12 40 53+		30 26+ 42 7	7 <i>Virginis</i> . D 1st L. 10 ^h 26' 45", 3 mean time.
26.			2 12 53½ 15 5-	15 42-	16 18½	☉ 1st L. ☉ 2d L.
☉ MAY 1.	At 11 ^h Mane I wound up all the Clocks. Q. N. 7". N. G. 7". I likewise examined the Meridian Mark and Spirit Level, and could not observe any error.					
3.	38 15	38 52	2 39 29+ 41 42	42 19+	42 56+:	☉ 1st L. ☉ 2d L.
4.	Clouds 25 17 29 1+ 54 7	25 53 29 42 54 43+	2 43 20 45 33 7 26 29 30 23 9 55 20½ 12 43 55 47 38½ 47 45 55 8 59 6½ 13 5 40 9 59+ 13 12 22+ 14 4 29½ 4 34 21 30 51+	Clouds 27 5 Clouds 56 34 55 44+ 59 44 6 18 12 58+ 5 8+ 5 12 31 30+	27 41 56 34 56 20 0 20½ 6 55 13 34½ 5 47- 5 51 32 9	☉ 1st L. ☉ 2d L. <i>Procyon</i> . <i>Pollux</i> . <i>Regulus</i> . Pole *; below. } above 5° 20'. g } 53 } <i>Virginis</i> . 61 } 63 } <i>Spica</i> } <i>Arcturus</i> . Comes 6 ^m -. D 2d L. 18 ^h 39' 49", 5 mean time.
5.	45 56	46 33+	2 47 11- 49 24½ 7 26 29 9 59 20 13 12 22 22 18 31 0 14 57-	50 1+	50 38+ 19 9 19 47- 16 8½	☉ 1st L. { A very great and uncommon ☉ 2d L. } tremor in the air. <i>Procyon</i> . <i>Regulus</i> . <i>Spica Virginis</i> . D 2d L. 19 ^h 23' 26" mean time. <i>Venus's Center</i> . 21 ^h 19' 33", 1 mean time.
6.	49 47	Clouds 37½	2 53 15+ 53 53-	51 40: 53 53-	17 30	☉ 1st L. ☉ 2d L.
7.		42+ 44	7 30 23 9 55 21	31 4½ 55 57	31 45 34+	<i>Pollux</i> . <i>Regulus</i> .
10.	54 8	54 44+	9 55 21½	55 58:	56 35	<i>Regulus</i> .
13.	54 9	25 55 54 46	7 26 31 9 55 22+	Clouds 55 59½	27 43 36	<i>Procyon</i> . <i>Regulus</i> .
☉ 15.	At 11 ^h Mane I compared the Clocks. N. Q. 1' 39". N. G. 1' 2". Instruments all just.					
	57 3+	0 57 40			52	<i>Venus's Center</i> . 21 ^h 22' 48" mean time.
17.	32 52½ 33 8½ 36 16 54 12½	33 30+ 33 45+ 25 58 29 47+ 36 57 54 49	3 34 8½ 36 23+ 6 34 23 7 26 34- 30 28+ 37 38 9 55 26	37 2- 35 0½ 27 10½ 31 9+ 56 3	37 39+ 35 37½ 27 46 31 50 39 0	☉ 1st L. ☉ 2d L. <i>Syrius</i> . <i>Procyon</i> . <i>Pollux</i> . D 1st L. 3 ^h 57' 41", 1 mean time. <i>Regulus</i> .
18.	Clouds Clouds 37 23	25 59 29 48+ 38 3	7 26 35 Cloudy 8 38 43	Clouds	40 3	<i>Procyon</i> . <i>Pollux</i> . D 1st L. 4 ^h 54' 39", 6 mean time.
20.	31 25+ 15½	32 3 26 1 52	10 32 41 7 26 37- 9 55 29	27 13½ 56 6	33 56 27 49	D 1st L. 6 ^h 40' 25", 5 mean time. <i>Procyon</i> . <i>Regulus</i> .
21.	Clouds		3 50 7 52 23	53 1	39+	☉ 1st L. ☉ 2d L.
☉ 22.	At 11 ^h Mane I compared the Clocks, and found N. G. 1' 33". N. Q. 1' 3". The Instruments after examination were found just.					
	52 52	53 30	3 54 8 56 24+ 9 55 31 18 47½ 12 44 7 14 4 40- 4 44	57 2+ 56 7+ 19 24 5 18 5 22+	40+ 20 1 5 52-: 5 56:	☉ 1st L. ☉ 2d L. <i>Regulus</i> . D 1st L. 8 ^h 18' 19", 8 mean time. Pole *; below. <i>Arcturus</i> . Comes 6 ^m -. D 1st L. 9 ^h 7' 19", 5 mean time. <i>Spica Virginis</i> .
23.	Clouds 17+ 10 38	54 11 15	3 58 10: 4 0 26- 9 55 31 12 44 6 13 11 52 12 33	1 4½ 13 9	1 42+ 13 6 13 45	☉ 1st L. ☉ 2d L. <i>Regulus</i> . Pole *; below. D 1st L. 9 ^h 7' 19", 5 mean time. <i>Spica Virginis</i> .
27.		49 26-	1 50 2+		51 15	<i>Venus's Center</i> . 21 ^h 28' 1", 9 mean time.

In JUNE MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 28.	17 6½	17 45	4 18 23½ 20 41+:: 0 44 17 47 49 47 54-	Clouds		☉ 1st L. ☉ 2d L. Pole *; below. } above 5°.
	11 22	11 58½	13 12 35 14 4 43 4 47	13 11½ 5 21 5 25 15 26+	13 48 5 59 6 3	Spica Virginis. Arcturus. Comes 6 ^m -. Antares.
	Clouds	4 5 4 9				
☉ 29.	21 11	21 49+	4 22 28+ 24 45- 6 34 31+ 7 26 43-- 30 36 12 39 42 44 17 47 56	25 23½	26 2 35 46 27 54½ 31 58	☉ 1st L. ☉ 2d L. Syrius. Procyon. Pollux. below 5°. Pole *; below. 5° above the last star. Spica Virginis. Arcturus. Comes 6 ^m -. ☉ 2d L. 14 ^h 48' 8", 8 mean time. Pole *; above.
	33 16½ 25 31	33 54 26 6½ 29 56-	13 12 36- 14 4 43½ 4 48 19 17 20 0 44 30	13 12 5 22 5 26 18 2	13 48½ 6 0 6 4 18 43½	
	11 23- 3 27 3 31 15 56+	11 59 4 5 4 9+				After the Pole star passed, the Mark appeared to flutter, and to be a very little to the West of the North Meridian. 57 43½ 58 19 1 58 56 0 8½ Venus's Center. 21 ^h 28' 40".5 mean time. After the Observation of Venus, I adjusted the Meridian Mark, which was a small matter to the East of the South Mark. I likewise examined the Spirit Level, and found it very just.
D 30.	25 16-	25 54½	4 26 33+ 28 49½ 6 34 32 7 26 44- 12 44 18	29 29- 9+ 19	30 7+ 55+	☉ 1st L. ☉ 2d L. Syrius. Procyon. Pole *; below.
8 JUNE 1.	At 10½ Mane I wound up the Clocks. N. Q. 1' 35". N. G. 2' 13". N. vibrates 2° 0'; Q. 2° 3'; and G. 1° 40'.					
	33 28	34 7	4 34 46 37 3 12 44 21 13 12 40 14 4 48 4 52	37 42- 13 16+ 5 26 5 30	38 13 53- 6 4 6 8	☉ 1st L. ☉ 2d L. Pole *; below. Spica Virginis. Arcturus. Comes 6 ^m -. ☉ 2d L. Syrius. Pole *; below. Spica Virginis. Pole *; above. Venus's Center. 21 ^h 30' 48", 2 mean time.
4 2.	33 22+	34 59½	4 41 11:: 6 12 44 22 13 12 42- 0 44 37 2 16 57	Clouds	42 28 54+	☉ 2d L. Syrius. Pole *; below. Spica Virginis. Pole *; above. Venus's Center. 21 ^h 30' 48", 2 mean time.
3.	Clouds 28 53+ 20 16	42 22: 20 52+	4 Cloudy 23 30 6½ 2 21 29+	30 43½ 22 6+	31 20 22 42+	☉ 1st L. ☉ 2d L. Venus's Center. 21 ^h 31' 22", 6 mean time.
h 4.	45 51 54 30	46 29½ 55 6:	4 47 8 49 26 9 55 43	50 5- 56 20+	50 43 56:	☉ 1st L. ☉ 2d L. Regulus.
7.	Clouds		13 12 49:		1+	Spica Virginis.
4 9.	6 33+	7 12+	5 7 51½ 10 9- 14 4 58 5 3	10 48 5 37- 5 41	11 27 6 15 6 19+	☉ 1st L. ☉ 2d L. Arcturus. Comes 6 ^m -. Pole *; below. Venus's Center. 21 ^h 36' 32", 7 mean time.
h 11.	57 9		0 44 54: 2 58 23		59 37	☉ 1st L.
☉ 12.	19 2½	Clouds	5			☉ 1st L.
D 13.		23 52	5 24 31½ 9 55 55 12 44 52 13 12 57 14 5 4+ 5 8½	Clouds 56 31+ 13 33 43- 47	8 20 24	☉ 1st L. Regulus. Faint. Pole *; below. Spica Virginis. Arcturus. Comes 6 ^m -. Pole *; below.
3 14.			12 44 53			☉ 1st L.
8 15.	36	32 15	5 32 54 35 12: 12 44 53 3 17 18½	35 51	36 30 Clouds	☉ 2d L. Pole *; below. Venus's Center. 21 ^h 39' 36", 1 mean time.

In JUNE MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
16.	Clouds 19 20 44½ 52½	36 27- Clouds 12 20½	5 Cloudy 5 39 24+ 10 20 40+:: 12 44 54 13 12 56½ 14 5 4- 0 44 58	40 3 32½	40 42 Clouds	☉ 1st L. ☉ 2d L. ☽ 1st L. 4 ^h 41' 50", 1 mean time. Pole *; below. Spica Virginis. Arcturus. Pole *; above.
17.	40 0	40 39	5 41 18 43 36+	44 15+	44 54+	☉ 1st L. ☉ 2d L.
18.	24-	2 0 12 33	12 2 36½ 13 13 9½	13 46	3 50- 14 22½	☽ 1st L. 6 ^h 15' 24", 6 mean time. Spica Virginis.
19.	24½ 53 9½	49 3 53 46½	5 49 42½ 52 1 12 44 56 54 23½ 13 13 12	52 40½	55 37 14 25	☉ 1st L. ☉ 2d L. Pole *; below. ☽ 1st L. 7 ^h 3' 4", 5 mean time. Spica Virginis. Arcturus. Pole *; above.
After this Observation I compared the Clocks, and found N. G. 4' 4". N. Q. 3' 0½". G. vibrated 1° 45'; Q. 1° 32'; N. 2° 0'. N. B. I likewise put them altogether.						
	4 4	42	14 5 20	5 58	6 36	Arcturus.
20.	37 12 2½ 46 0 6+ 40 11	53 16 12 38+ 46 37½ 44½ 40 49	5 53 55 56 13½:: 12 45 8 13 13 15- 47 15½ 14 5 23- 3 41 27 4	Cloudy 13 51+ 6 1+ 0 35+	27½ 30½ 39+ 42 43 1 26	☉ 1st L. { Naked eye. ☉ 2d L. { Pole *; below. Spica Virginis. ☽ 1st L. Hazy. 7 ^h 51' 49" mean time. Arcturus. Venus's Center. 21 ^h 43' 44", 9 mean time. Capella.
21.	33 58+ 12 4 9 41 9½ 4+	34 36- 26 48 4 47 41 48 45 42	6 35 13 7 27 24 12 45 14 13 13 18- 14 5 25+ 42 27 3 46 20 4 59 47	35 50+ 28 0 13 54+ 6 4 0 38+	27½ 28 36 30 42 45 36- 1 29	Syrius. Procyon. Pole *; below. Spica Virginis. Arcturus. ☽ 1st L. Hazy. 8 ^h 42' 53", 3 mean time. Venus's Center. 21 ^h 44' 38", 4 mean time. Capella.
22.	1 1 26 15	1 40+ 26 51 44+	6 2 19½ 4 38 7 27 27 13 13 21-	5 17+ 28 3+ 13 57	5 56½ 28 39 33+	☉ 1st L. ☉ 2d L. Procyon. Spica Virginis.
23.	54 53+	55 31+	3 56 9+		57 25	Venus's Center. 21 ^h 46' 28", 5 mean time.
24.	17 14 18+	55 14 58	6 13 2- 12 45 26 14 5 33+ 16 15 38	41 12	14 20+ 50 57½	☉ 2d L. Pole *; below. Arcturus. Antares.
25.	4 46	24	4 6 2½		18½	Venus's Center. 21 ^h 48' 23", 8 mean time.
26.	At 11½ Mane I compared the Clocks. N. Q. 0' 36". N. G. 0' 48". N. vibrates 2° 0'; Q. 1° 32'; and G. 1° 42'.					
	4 22 14 23 48+ 43 16 49 59 45	18 27½ 5 0- 15 2½ 39 24+ 43 52- Clouds	6 Cloudy 14 5 38 16 15 42+ 19 40 0½ 44 27½ 51 12 4 11 1	6 16+ 16 22+ 40 37 45 4 51 53½	6 54½ 17 2- 41 13 45 39½ 52 34 12 17	☉ 1st L. Arcturus. Antares. α } Aquila. β } ☽ 2d L. 13 ^h 30' 54", 5 mean time. Venus's Center. 21 ^h 49' 23", 3 mean time.
27.		22 39	6 23 18 Clouds	26 15+	26 54	☉ 1st L. { Hazy. ☉ 2d L. {
28.	4 26	5 4	13 13 35- 14 5 42½	14 11 6 21	14 47 6 58½	Spica Virginis. Arcturus.
29.	28½ 26 22	5 6½	14 5 45 16 22 27 37½	6 23+ 16 29 28 15+	1 8½ 17 8½ 28 53	Arcturus. Antares. ☽ 2d L. 15 ^h 54' 59", 7 mean time.
JULY 1.		39 23	6 40 2+ 42 20	42 59	43 38	☉ 1st L. ☉ 2d L.
After this Observation I wound up the Clocks. N. Q. 1' 7". N. G. 2' 23". N. vibrates 2° 0'.						
2.	42 55	Clouds	6 44 13 46 31	47 10	Clouds	☉ 1st L. ☉ 2d L.
4.	16 50 11½ 58 37+	50 50 59 28+ 3 40-	2 8 31 4 51 28+ 5 0 20- 4 16+	9 9 1 11 4 53	9 46 45½ 2 2+ 5 28+	☽ 2d L. 19 ^h 15' 23", 5 mean time. Venus's Center. 21 ^h 57' 54" mean time. Capella. Rigel.

In JULY M DCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
5.	55 26	56 5	6 56 44 59 2+	59 41+	0 20+	☉ 1st L. ☉ 2d L.
7.	3 46 4 50½	4 25 5 28½	7 5 4 7 21+ 14 6 7	8 0+ 6 45½	8 39+ 7 23½	☉ 1st L. ☉ 2d L. <i>Arcturus.</i>
9.	12 4	12 48	7 13 22 15 39	16 18	16 57	☉ 1st L. ☉ 2d L.
10.	Clouds	51½	7 17 30½ 19 47+	20 26+	Clouds	☉ 1st L. ☉ 2d L.
12.	24 28-	25 7-	7 25 46- 28 2	28 41		☉ 1st L. ☉ 2d L.
14.	32 42 52 49+ 13 5+ 22 55 42 10	33 20 53 26½ 13 42- 23 33 Clouds	7 33 59 36 16- 10 54 4- 13 14 18+ 4 24 11 5	36 55- 55-: Clouds	37 33- 55 18 15 31+ 44 45	☉ 1st L. ☉ 2d L. ☉ 1st L. 3 ^h 23' 40", 7 mean time. <i>Spica Virginis.</i> <i>Jupiter's Center.</i> 20 ^h 50' 54", 3 mean time. <i>Venus's Center.</i> 22 ^h 9' 57", 2 mean time.
15.	Clouds	39 43	7 40 22-	38 44 Clouds	22½	☉ 1st L. ☉ 2d L.
16.	40 54-	41 32+	7 42 11 44 27	45 6-	45 44+	☉ 1st L. ☉ 2d L.
18.	49 3½	49 42- 0 8	7 50 20+ 52 36 5 0 59+	53 14½ 1 51-	53 53- 2 42	☉ 1st L. ☉ 2d L. <i>Capella.</i>
20.	Clouds 15 27½ 20 36½ 19	57 49 16 7+ 21 18 0	7 58 27½: 0 43 16 16 47+ 21 59 6 Cloudy	1 22-: 37 11	1 59½ 23 21½ Clouds	☉ 1st L. } Very windy and cloudy. ☉ 2d L. } <i>Antares.</i> ☉ 1st L. 8 ^h 26' 49", 7 mean time. <i>Syrus.</i>
21.	Clouds		8 2 30+			☉ 1st L.
22.	5 16- 13 27+ 5 31+ 29 21+	5 54 14 3½ 6 9½ 25 11 30 7-	8 6 32 8 48- 13 14 40 14 6 48 16 16 52½ 18 25 53½ 30 53-	Clouds 15 16½ 7 26+ 31 39-	10 4 52½ 4½ 27 18 24+	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i> ☉ 1st L. 10 ^h 22' 26", 7 mean time. <i>α Lyrae.</i>
23.	1	26 0 37	19 26 42 41 13		26	☉ 1st L. 11 ^h 19' 7" mean time. <i>α Aquilæ.</i>
24.	31 23½ 32 Clouds 43 10+ Clouds 35 29 59 12-	32 1 0 24- 43 46+ Clouds 0 9½	4 32 40 5 1 15+ 5 5 11 44 22+ 6 36 20+ 6 7 0 48	2 7- Clouds 44 58+ 45 34½ 37 58 2 4+	33 56½ 2 58- 45 34½ 37 58 2 4+	<i>Jupiter's Center.</i> 20 ^h 19' 36", 3 mean time. <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Venus's Center.</i> 22 ^h 22' 56", 1 mean time. <i>Syrus.</i> <i>Mercury's Center.</i> 22 ^h 47' 19", 8 mean time.
25.	17 18½ 13 35- 5 39	17 56+ 14 11 6 17	8 18 35- 20 49½ 13 14 47 14 6 55 16	21 28- Clouds 7 33+ 17 39½	22 6- 8 11½ 18 19+	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i>
27.	5 43+ 15 45-	6 21½ 16 24+	13 14 52+ 14 7 0- 16 17 4½	7 38+	16 5 8 16+ 18 24	<i>Spica Virginis.</i> <i>Arcturus.</i> <i>Antares.</i>
28.	29 15	29 53	8 30 31 32 46	33 24	34 2	☉ 1st L. ☉ 2d L.
29.	35 23	36 1+ 0 36:	4 36 40 5 1 28-	2 19½	37 57 3 10½	<i>Jupiter's Center.</i> 20 ^h 3' 43", 3 mean time. <i>Capella.</i>
31.	41 8 29 43+ At 7½ Mane I wound up the Clocks. N. G. 0' 47". N. Q. 4' 0". N. vibrates 2° 8'; G. 1° 40"; and Q. 1° 38'. N. B. Before the comparison I put G forward 4. I examined the Spirit Level and Meridian Mark, and found them just.	41 46 30 29	8 42 24 44 37½ 18 31 15+ 32 1½	45 15½ 32 1½ 32 47	45 53½ 32 47	☉ 1st L. ☉ 2d L. <i>α Lyrae.</i>
Aug. 2.	11½ 27	51: 0 46-	3 27 30½ 4 39 44 5 1 37+ 5 33+ 7 24 0½	10½ 40 22+ 29	49½ 41 1 20½	☉ 2d L. 18 ^h 38' 52", 7 mean time. <i>Jupiter's Center.</i> 19 ^h 50' 54", 5 mean time. <i>Capella.</i> <i>Rigel.</i> <i>Venus's Center.</i> 22 ^h 34' 43", 8 mean time.
3.	52 55	53 32	8 54 9½:	Clouds	55 25	☉ 1st L.

In AUGUST MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.	54 7 40 28 56	55 44½ 36 50+ 41 4 45 31+	8 56 22 19 37 27 41 40½ 46 7½	57 0½ 38 3½ 42 17 46 44	57 37½ 38 39+ 42 53 47 19+	☉ 2d L. γ } <i>Aquila</i> . α } β }
4.	23 34 59 59+ 20 3-	24 11½ 0 50½ 23 53	4 24 49+ 5 1 42 21 25½	25 27- 2 33+ 22 7 Clouds	26 4+ 3 24+ 22 48+	<i>Aldebaran</i> . <i>Capella</i> . ☿ 2d L. 20 ^h 24' 31", 6 mean time. <i>Venus's</i> Center.
5.	0 42	1 19+	9 1 56½ 4 10½	4 48- 5 25	5 25	☉ 1st L. ☉ 2d L.
6.	Clouds 26 45	27 21+ 42 1½ 44 17½ 36 37	9 5 50+ 8 2½ 2 27 58 4 42 40+ 5 5 42+ 44 53½ 6 45 3+	Clouds 8 40:: 43 19- 6 18½ 41	9 18-:: 29 11 43 57 46 20-	☉ 1st L. ☉ 2d L. <i>Saturn's</i> Center. 17 ^h 23' 37", 5 mean time. <i>Jupiter's</i> Center. 19 ^h 37' 57", 3 mean time. <i>Rigel</i> . α <i>Orionis</i> . <i>Syrius</i> . <i>Venus's</i> Center. 22 ^h 39' 49", 9 mean time.
7.	8 28 23 42 42 6+ 32	9 5 24 19 42 45 5 8½	9 9 42 4 24 56+ 43 23+ 5 1 49 5 44½ 13 55	25 33½ 44 2 6 20½	26 11- 44 40 3 31 6 57 15 16+	☉ 1st L. <i>Aldebaran</i> . <i>Jupiter's</i> Center. 19 ^h 34' 42", 1 mean time. <i>Capella</i> . <i>Rigel</i> . β <i>Tauri</i> .
9.	Clouds	6	37 59+			<i>Syrius</i> . At 7 ^h 57' by this Clock, the Pendulum was lengthened 2½ Divisions, and the Clock was put back 3'. N. Q. 0' 3". Then Q. was put faster 3', and the Pendulum shortened 3 Divisions.
10.	17 3-:	17 40	9 18 17+ 20 29	21 6+ 21 43½	21 43½	☉ 1st L. ☉ 2d L.
12.	57 12+ 1 38+ 40 50	58 3½ 2 14+ 41 26	4 58 55 5 2 51- 42 2+	59 46+ 3 27 42 38+	0 37½ 4 3 43 14+	<i>Capella</i> . <i>Rigel</i> . α <i>Orionis</i> .
13.	28 25	29 2	9 Cloudy			☉ 1st L.
14.	Clouds 22½		9 35 36½		34 39	☉ 1st L. ☉ 2d L. After this Observation I found by comparison Q. N. 0' 5". Clouds
15.	35 57-::	36 33+	9 37 10½ 39 22	39 59+ 36	36	☉ 1st L. ☉ 2d L. At 22 ^h 15' 11" by this Clock, the first Satellite of Jupiter was not immersed; but at 17' 42" it was immersed. Clouds intervened the intermediate space.
17.	43 30 48½ 42 16 56- 25 28-	44 7- 11 38 24½ 42 52 26 3+ 29 52½	9 44 43½ 46 57:: 19 39 1- 43 28 5 42 8- 7 26 39½ 30 34-	Clouds 35 24 39 37 44 5- Clouds 27 16- 31 14½	48 8½ 36 0 40 13+ 44 40 27 52- Clouds	☉ 1st L. ☉ 2d L. γ } <i>Aquila</i> . α } β } α <i>Orionis</i> . <i>Procyon</i> . <i>Pollux</i> .
18.		41 33	9 50 40 5 42 9	51 17 42 45	51 54- 43 21	☉ 2d L. α <i>Orionis</i> .
19.		29 57	7 26 44 30 38	27 20 31 19	27 55½ 31 59½	<i>Procyon</i> . <i>Pollux</i> .
20.	54 47- 56 57	Clouds 57 34 34 17:: 38 31- 42 22+ 42 58 2 17	9 Cloudy 58 10½ 14 4 43½ 19 34 54 39 7 43 34+ 20	56 37: 58 47½ 5 22 35 30 39 43½ 10+	57 13 59 24 6 0 6 40 19 46	☉ 1st L. } Very fluttering. ☉ 2d L. } <i>Arcturus</i> . γ } <i>Aquila</i> . α } β } ☉ 1st L.
23.	Clouds 44½ 37 58+ 42 26 35 50- 33 23½ 25 37+	Clouds 34 20½ 38 34½ 43 2 26 13	10 7 10:: 19 34 57 39 11- 43 38 22 37 5- 6 34 38+ 7 Cloudy	Clouds 35 34- 39 47 44 14 37 42½ 35 16- 27 25+	Clouds 36 10 40 23 44 50 38 20 35 52½ 28 1+	☉ 1st L. γ } <i>Aquila</i> . α } β } ☉ 2d L. 12 ^h 29' 7", 7 mean time. <i>Syrius</i> . <i>Procyon</i> .
24.	Clouds Clouds Clouds	Clouds Clouds 19+ 34 1	10 10 52½: 13 2 4 59 11 6 34 38-	Clouds 13 39- 0 12½ 35 15½	Clouds 53	☉ 1st L. ☉ 2d L. <i>Capella</i> . <i>Syrius</i> .

In AUGUST MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
25.	13 19+	13 56-	10 14 32+ 16 42+	17 19-	17 55+	☉ 1st L. ☉ 2d L.
27.	Clouds 27 22 38 0 42 27+ 30 4½	Clouds 28 7+ 38 36 43 3+	10 21 53:: 24 3:: 18 28 54 19 39 12+ 43 39 1 31 18+	24 39+ 29 39½ 39 48½ 44 15+ 55½	25 15+ 30 25 40 24½ 44 51+ 32 32½	☉ 1st L. { Very cloudy. ☉ 2d L. { α Lyrae. α } Aquilæ. β } ☽ 2d L. 15 ^h 7' 7",5 mean time.
28.	33 47 38 1- 42 28+ 15 22+ 24 39 21 6 51 43½ 41 8- Clouds	34 23 38 37- 43 4 25 15+ 21 43 52 22 58 21½ 41 43½ 26 15½	19 35 0- 39 13 43 40 2 16 38 4 22 20+ 53 1- 59 13 5 42 20 6 7 Cloudy	35 36 39 49 44 16+ 17 16 22 58- 0 5- 42 56+ 35 18	36 12 40 25 44 52 17 53½ 27 5½ 23 35- 54 18- 1 55+ 43 32 35 55	γ } α } Aquilæ. β } ☽ 2d L. 15 ^h 48' 22",5 mean time. Saturn's Center. 15 ^h 57' 35",4 mean time. Aldebaran. Jupiter's Center. 18 ^h 24' 19",8 mean time. Capella. α Orionis. Sirius. Procyon.
29.	Clouds 3 30+ 37 27+	30 46 0 42 21 44 38 4+	10 29 13: 31 22+ 3 1 20½ 4 4 48+ 4 22 21+ 38 42+	Clouds 59 5 27 22 59-	6 6- 39 56-	☉ 1st L. { Very cloudy. ☉ 2d L. { ξ Arietis. ☽ 2d L. 16 ^h 32' 28" mean time. Aldebaran. Venus's Center. 22 ^h 5' 26",9 mean time.
30.	Clouds 21 8 52 41+ 57 32 33 27+ 25 41 29 26	21 45 53 20- 58 23+ 2 34 34 4½ 26 17 30 6+ 43 0	10 14 56- 4 22 22+ 53 59- 59 15 5 3 10+ 6 34 42 7 26 53 30 47 9 43 36	15 35½ 22 59½ 0 6+ 3 47- 35 20- 27 29 31 28 44 12	36 15 16 15 36½ 55 15½ 1 57+ 4 22½ 35 56½ 28 5 32 9 44 48+	☉ 2d L. Antares. Aldebaran. Jupiter's Center. 18 ^h 17' 23",9 mean time. Capella. Rigel. Sirius. Fluttering. Procyon. Pollux. Venus's Center. 23 ^h 6' 14",5 mean time.
31.	3 35+ 32½ 33 48 38 2½ 42 30	4 13½ 58 23+ 34 25 38 39 43 6+	10 36 32 38 41+ 14 4 52- 16 14 56 59 15- 19 Cloudy 39 15+ 43 42+	39 18+ 5 30 15 36 0 6 35 38 39 51½ 44 18+	Clouds 6 8+ 16 16- 0 57+ 37 14 40 27½ 44 54+	☉ 1st L. ☉ 2d L. Arcturus. Antares. Capella; below. γ } α } Aquilæ. β }
1. SEPT. 1.	At 10 ^h 15 ^m Mane the Clocks were wound up. N. Q. 0' 1". N. G. 0' 37". N. vibrates 1° 57'; Q. 1° 34'; G. 1° 40'. 8½ Clouds Clouds					Aldebaran. Jupiter's Center. Capella. Rigel. ☽ 2d L. 19 ^h 8' 14",5 mean time. Sirius.
2.			10 43 49 45 58+	46 34½	47 11-	☉ 1st L. ☉ 2d L.
3.	46 16 Clouds Clouds 31 25 44½ 29 29+ 57 58	46 52 21 48 2 37 34 8 26 20½ 30 10 58 38+	10 47 28+ Clouds 4 22 25 55 46 59 18 5 3 13½ 6 34 45+ 7 26 57- 30 51 59 19+	50 13½ 23 2½ 0 9+ 3 50 35 23 27 33 31 32 0 1	50 49½ 23 39½ 57 3½ 1 0½ 4 26 36 0 28 8½ 32 12½ 41	☉ 1st L. ☉ 2d L. Aldebaran. Jupiter's Center. 18 ^h 3' 24",5 mean time. Capella. Rigel. Sirius. Procyon. Pollux. ☽ 2d L. 21 ^h 6' 27",7 mean time.
4.	49 54	50 30	10 51 6 53 15+	53 51+	54 27	☉ 1st L. ☉ 2d L.
5.			4	23 5-	24 42-	Aldebaran.
6.	57 10+	57 46+	10 58 22+ 11 0 31	1 7	1 43	☉ 1st L. ☉ 2d L.
7.	Clouds	Clouds	11 4 8½::	4 44+:	5 20+:	☉ 2d L. Hazy. At 23 ^h 55' 24" by this Clock, the first Satellite of Jupiter immersed. Observed with Mr. Short's two foot Reflector. Apparent Time 12 ^h 50' 24".

In SEPTEMBER M DCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
9.	23 41	24 17+	2 24 54			Saturn's Center. 15 ^h 9' 16", 9 mean time.
14.	25 49	19 52 26 35 30 14	7 19 35 27 1 30 55	20 17½ 27 37 31 36	28 13 32 16	Castor. Procyon. Pollux.
15.		46 15 23 41 34 32 38 46 43 14- 21 26+ 32 40 47 48 55 40- 2 20	18 19 24 17+ 35 9 39 22+ 43 50 20 22 3 33 31 48 30 56 29 21 3 1		25 30- 36 21+ 40 35 42 2- 23 14- 35 10+ 50 4- 58 6+ 4 23+	1st L. γ } Aquilæ. α } β } ε Delphini. α } ν } Cygni. ζ }
18.	33 37- 18 11 Clouds	34 14- 18 53+ 30 15	6 34 51 7 19 36 27 2 30 56	35 28+ 20 18- 27 38 31 37	36 5+ 20 0 28 14 32 17+	Syrius. Castor. Procyon. Pollux.
20.	31 51	32 40+	20 33 31	34 21+	35 11	α Cygni. Fluttering.
21.	Clouds 33 57+ 38 11+ 42 39 43 19+ 59	Clouds 38 47 43 15- 44 0+	11 54 31: 19 39 23+ 43 51 22 44 42 23 50 34	55 7 40 0 Clouds 45 24+ 49 10	Clouds 40 36 45 3- 46 6-	2d L. γ } Aquilæ. α } β } Fomalhaut. 1st L. } Very indistinct and cloudy. 2d L. }
22.	30 45- 32 57+ 42 39 55 36- 3 28- 20 52- 25 24+ 31 21 38 50 46 58- 55 2 32 9+ 33 37+ 18 12 25 51- 29 36+	31 20 34 34- 43 15 56 14 21 28 26 0+ 31 57+ 39 26 47 44+ 55 42 32 46- 34 14+ 18 54 26 27 30 16	17 31 56+ 19 35 10 43 51 56 53 20 4 41 22 4 26 37 32 35- 40 2½ 48 31+ 23 56 22½ 0 33 22- 6 34 52 7 19 37- 27 3 30 57	32 32+ 35 46+ 44 27 57 32 5 18 22 40½ 27 14- 33 11 40 39 49 18+ 57 3 33 59- 35 30- 20 19 27 39 31 38	33 8+ 36 22+ 45 3 58 10+ 5 54+ 23 17- 27 50½ 33 48- 41 15 50 5+ 57 44- 34 35- 36 6+ 21 1 28 15 32 18+	β Ophiuchi. γ } Aquilæ. β } 17 Vulpeculæ. 1 α Capricorni. ε } β } Delphini. δ } μ Aquarii. ν Cygni. α Andromedæ. 2d L. 22 ^h 26' 55", 3 mean time. Syrius. Castor. Procyon. Pollux.
24.	1 57½ 38 11- 42 39- 25 23 31 20 43 18½	Clouds 34 33- 38 47 43 14+ 26 0- 31 57 39 25 44 0	12 3 10½ 5 19+ 19 35 9 39 23+ 43 50+ 20 26 36+ 32 34 40 1½ 22 44 42	5 5+ 39 58½ 44 27- 27 13+ 33 11 40 38 45 24	6 31½: 36 20+ 40 35+ 45 2½ 27 50 33 48 41 14½ 46 5½	1st L. 2d L. γ } Aquilæ. α } β } Delphini. μ Aquarii. Fomalhaut.
N. B. Before γ Aquilæ and the following Stars passed, the end of the Telescope received an accidental stroke, which it was feared would alter the Line of Collimation; accordingly the next morning it appeared to be very much out, and to point to the east of the Meridian. The Level needed no Correction, and the Line of Collimation was truly adjusted.						
26.	9 10½: Clouds	9 46 Clouds	12 Cloudy 12 30-:	Clouds Clouds	Clouds Clouds	1st L. 2d L.
27.	33 56½ 38 10½ 42 38- 52 45- 20 23 21 16 30 42 0 52+	34 32 38 46- 43 13+ 53 23 20 59 21 53- 1 30	19 35 8+ 39 22 43 49+ 1 54 1 2 21 36- 4 22 30- 5 2 9:	35 45+ 39 58+ 44 25+ 54 40 Clouds 23 7 32 44	36 21- 40 34+ 45 1 55 18 Clouds 23 44 33 25 Clouds	γ } Aquilæ. α } β } α Arietis. Saturn's Center. 13 ^h 55' 13", 9 mean time. Aldebaran. 2d L. 16 ^h 5' 19", 4 mean time, Jupiter's Center. 16 ^h 35' 19", 6 mean time.
28.	16 21 20 8½ 21 15+ 0 57 28 9	17 57 20 44+ 21 52 1 35+	12 18 33 19 42 2 21 20+ 4 22 29 5 2 14 29 31	20 28 23 6+ 30 12+	20 54 23 43+ 3 30+ 30 54	1st L. 2d L. Saturn's Center. 13 ^h 51' 3", 2 mean time. Aldebaran. Jupiter's Center. 16 ^h 31' 30", 5 mean time. 2d L. 16 ^h 58' 43", 2 mean time.
29.	19 58	20 34-	12 21 10-			1st L.

In OCTOBER MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
29.	22 7 28 24	22 42	12 23 18 6 29 47	23 54 Clouds	24 29+ Clouds	⊙ 2d L. ☽ 2d L. 17 ^h 54' 53", 1 mean time.
30.	23 34- 27 30- 33 54- 38 8- 42 35+ 58 0 20 48 25 20 31 17	24 9 26 18 28 15+ 34 30 38 44- 43 11 58 35 21 24 25 56 31 54 43 56½	12 24 45+ 26 54 18 29 0+ 19 35 6 39 19½ 43 47- 59 11 20 Cloudy 26 38 32 30+ 22 44 38+	25 21- 27 30 29 46 35 42 39 55+ 44 23 59 46½ 22 36 27 9½ 33 7 45 20	25 56+ 28 5½ 30 32- 36 18 40 31 44 58 0 22 23 12 27 46 33 43+ 46 0+	⊙ 1st L. ⊙ 2d L. α Lyræ. γ } Aquilæ. α } β } δ } Delphini. Fomalhaut. Very indistinct and hazy. At 1 ^h 35' 40" by this Clock, the first Satellite of Jupiter immersed. Observed with Mr. Short's six foot Reflector. Apparent Time 13 ^h 7' 52". 52 43- 53 21 1 53 59+ 54 38 55 16+ α Arietis. 19 38 20 14 2 20 50+ 22 2+ Saturn's Center. 13 ^h 42' 42", 8 mean time.
Oct. 1.	27 11½ 29 20	27 47 29 55	12 28 22 Clouds	28 58 Clouds	29 34- 31 42	⊙ 1st L. } Very hazy and indistinct. ⊙ 2d L. } At 13 ^h 15' the Clocks were wound up. Q. N. 25½. N. G. 1' 39½. N. vibrates 2° 0'; Q. 1° 35'; and G. 1° 48'.
2.	12 28 33 54 38 8- 42 35 58 0 3 24- 3 47 20 48 25 20 31 17 38 46 1 11- 10 6 41 16	13 3+ 34 29½ 38 43 43 11 58 35 4 0 4 23+ 21 24- 25 56 31 53+ 39 22 1 49- 10 47- 41 52-	19 14 39 35 6- 39 19 43 47 59 11 20 4 36+ 5 0 22 0 26 33- 32 30 39 58 5 2 27+ 11 27 42 27½	15 15- 35 42 39 55 44 22½ 59 46 5 13 5 37- 22 36 27 9+ 33 7 40 34½ 12 7½ 43 3½	15 50 36 18 40 31 44 58- 0 22- 5 49 6 13 23 12 27 45½ Clouds 41 10 3 44- 12 48- 43 39+	δ } γ } Aquilæ. α } β } δ } 1 α } Capricorni. 2 α } ε } Delphini. μ Aquarii. Jupiter's Center. 16 ^h 16' 1", 4 mean time. β Tauri. α Orionis.
4.	38 5+ 42 35- 57 59+ 3 47- 20 47 25 19 Clouds	38 40+ 38 43- 43 10½ 4 23- 21 23 25 55½ Clouds	12 Cloudy 19 39 19- 43 46+ 59 10- 20 5 0- 21 59½ 26 32½ 39 57½	Clouds 39 55+ 44 22+ 59 46- 40 34	Clouds 40 31 44 58 0 21+ 6 13- 23 11½ 27 45+ 41 10	⊙ 1st L. α } Aquilæ. β } δ } 2 α Capricorni. ε } Delphini. μ Aquarii.
5.	40 0- 47 43+ 33 53 38 7- 42 34 1 11+ 10 5 41 15-	40 42 48 20 34 28½ 38 42 43 10 1 49 10 46 41 50	18 41 24+ 48 57 19 35 5 39 19- 43 46 5 2 28- 11 25 42 26	42 7+ 49 34 35 41- 39 54 44 21 44 21 12 6 43 2	42 49 50 10+ 36 17 40 30 44 57 3 44+ 12 46 43 37½	β Lyræ. ε } γ } Aquilæ. α } β } Jupiter's Center. 16 ^h 14' 14" mean time. β Tauri. Fluttering. α Orionis.
6.	45 22- 43 13+ 52 40+ 18 3 1 9 10 4 41 14+	45 57 48 6+ 43 54½ 53 19 18 39 1 47- 41 49+	12 46 33 48 42 22 44 36 1 53 57 2 19 15 5 2 26 11 24½ 42 25	49 18 45 17+ 54 35 12 5 43 1-	49 54- 45 59- 55 14- 20 27½ 3 42 12 45+ 43 37-	⊙ 1st L. ⊙ 2d L. Fomalhaut. α Arietis. Saturn's Center. 13 ^h 17' 35" mean time. Jupiter's Center. 16 ^h 00' 18", 8 mean time. β Tauri. α Orionis.
7.	49 0 51 10 33 51 38 5- 42 32+ 57 57 3 20½ Clouds 25 17- 31 14	49 36- 51 45+ 34 26½ 38 40 43 8 58 32 3 57 21 21- 25 53 31 50	12 50 12- 52 21 19 35 3 39 16½ 43 43½ 59 7+ 20 4 33 21 57 26 30- 32 27	52 57- 35 39 39 52 44 19 59 43 Clouds 22 33 27 6 33 4	53 33- 36 15 40 28 44 55- 0 19- Clouds 23 9 27 42+ 33 40	⊙ 1st L. ⊙ 2d L. γ } Aquilæ. α } β } δ } 1 α Capricorni. ε } Delphini.

In OCTOBER MDCCCLXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 7.	Clouds Clouds	39 19 Clouds	20 39 55 21 19 8	40 31 19 44	41 7 20 19+	μ { <i>Aquarii</i> .
☉ 9.	At 11 ^h 45' Mane Q. N. 42". N. G. 3' 1". Then the Pendulum of Q. was let down one Division, and the Pendulum of G. was shortened two Divisions. N. vibrated 2° 0'; Q. 1° 30'; and G. 1° 45'. At 12 ^h 15', Q. N. 5". N. G. 8".					
♂ 10.	59 57 3 35 27 21 33 47 38 1- 42 28½ 3 17- 3 40+ 20 41 25 13 31 10 38 39 54 29-	0 32½ 2 43 Clouds 28 7 34 23- 38 36 43 4 3 53 4 17- 21 17 25 49 31 46½ 39 15 55 5	13 1 8+ Clouds 14 Cloudy 18 28 53 19 34 59 39 12+ 43 40- 20 4 29½ 4 53 21 53 26 25½ 32 23 39 51 9 55 41	1 44+ Clouds Clouds 29 39 35 35 39 48+ 44 15+ 5 6 5 30- 22 29 27 2 33 0 40 27 56 18-	2 20 4 30 30 24 36 11 40 24 44 51 5 42 6 6 23 5 27 38+ 33 36+ 41 8 56 54+	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . α <i>Lyræ</i> . γ } α } <i>Aquilæ</i> . β } 1 α } <i>Capricorni</i> . 2 α } ε } β } <i>Delphini</i> . δ } μ <i>Aquarii</i> . <i>Regulus</i> .
At 10 ^h 20' Mane I screwed up the ball of N's Pendulum 2½ Divisions; the Pendulum having been lengthened 2½ Divisions in the Summer. The Clock by a comparison with Q. was set going 0'½ faster than it was before. Q. N. 6". N. vibrates 2° 0'.						
♂ 11.	Clouds Clouds 33 47+ 38 1 42 29- 57 52 3 17 3 41- 20 41 25 13 31 10+ 38 39½ 52 37 16 36+ 0 47 10 1- 18 45-::	4 13 Clouds 38 36½ 43 4 58 28+ 3 53 4 17- 21 17 25 49+ 31 47 39 15 53 15 17 12 1 25 10 42- Foggy	13 4 49- Cloudy 19 34 59+:: 39 13- 43 40 59 4 20 4 30 4 53+ 21 53 26 26 32 23 39 51 1 53 53 2 17 48½ 5 2 3+ 11 21 5	5 25 7 35 35 35+ 39 48½ 44 16- 59 39+ 5 30 22 29+ 27 3- 33 0 40 27½ 54 31+ 55 10 19 0+ 3 19: 12 1+ 12 42+	6 1 8 11 36 11 40 24+ 44 51 0 15- 5 43 6 6+ 23 5 27 39 33 37- 41 4 55 10 19 0+ 3 19: 12 42+	☉ 1st L. ☉ 2d L. γ } α } <i>Aquilæ</i> . β } 9 } 1 α } <i>Capricorni</i> . 2 α } ε } β } <i>Delphini</i> . δ } μ <i>Aquarii</i> . α <i>Arietis</i> . Saturn's Center. 12 ^h 56' 32", 2 mean time. Jupiter's Center. 15 ^h 40' 20", 2 mean time. β <i>Tauri</i> . δ <i>Orionis</i> .
♂ 12.	7 21 9 31 22 33 31 23- 52 27 52 38 54 32	7 56½ 23 10+ 31 58+ 53 2+ 55 33 53 16	13 8 32 10 43½ 21 23 49- 32 34½ 53 38 23 56 13 1 53 55	9 8½ 11 19 24 27- 33 11- 54 14- 56 54- 54 33	9 44 11 54+ 25 4 33 46+ 54 49 57 33½ 55 11	☉ 1st L. ☉ 2d L. ε <i>Capricorni</i> . ε <i>Pegasi</i> . α <i>Aquarii</i> . α <i>Andromedæ</i> . α <i>Arietis</i> . <i>Regulus</i> .
At 4 ^h 9' 40" by G, the second Satellite of Jupiter immersed, at 4 ^h 10' 2" by this Clock. Observed with Mr. Bird's 2 foot Reflector. Apparent Time 14 ^h 58' 5".						
♂ 13.	11 4 3 36+ 24 45 54 33+	11 40- 4 14 25 26 55 10-	13 12 16 14 26+ 14 4 52 19 26 8:: 9 55 46	15 2+ 5 30 56 22+ 56 21	15 38 6 8- 27 31- 56 59	☉ 1st L. ☉ 2d L. <i>Arcturus</i> . ☉ 1st L. Hazy. 5 ^h 58' 5" mean time. <i>Regulus</i> .
♀ 14.	14 48 16 58 27 25 33 51 38 5 42 32+ 3 21 3 44½ 22 1 38 43+ 15 48 0 29 10 4+ 41 14	15 24 17 34 28 11 34 25:: 38 41- 43 8 58 32 3 57 4 21- 22 41 39 19 16 24 1 7+ 10 44 41 50-	13 16 0- 18 10 18 28 57 19 35 3- 39 16½ 43 44- 59 8 20 4 33+ 4 57 23 21+ 39 55 2 17 1- 5 1 46 11 25 42 25	16 36 18 46 29 43- 35 39 39 52+ 44 19+ 59 44 5 10 5 34 24 2 40 31+ 12 5 43 1+	17 12 19 22 30 28 36 15 40 28 44 55 0 19 5 46 6 10 24 42 41 7 3 2 12 46- 43 37	☉ 1st L. ☉ 2d L. α <i>Lyræ</i> . γ } α } <i>Aquilæ</i> . β } 9 } 1 α } <i>Capricorni</i> . 2 α } ☉ 1st L. 6 ^h 51' 12", 7 mean time. μ <i>Aquarii</i> . Saturn's Center. 12 ^h 43' 53", 9 mean time. Jupiter's Center. 15 ^h 28' 11", 8 mean time. β <i>Tauri</i> . α <i>Orionis</i> . At 6 ^h 18' 53" by G, the first Satellite of Jupiter immersed, at 6 ^h 18' 45" by this Clock. Observed with Mr. Bird's two foot Reflector. N. was before G. at 13 ^h only 22"; there must therefore be some mistake. The time by N. supposed to be true, the Apparent Time is 16 ^h 59' 1". 33 32 34 9 6 34 46 35 23 36 0 <i>Syrius</i> .

In OCTOBER MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
15.	18 32	19 8	13 19 44	20 20	20 57	☉ 1st L. ☉ 2d L.
16.	38 7 42 35-	38 42 43 10	19 35 5 39 19- 43 46 59 10	35 41+ 39 55 44 22 59 46	36 17 40 31- 44 57+ 0 21	γ } <i>Aquilæ.</i> α } β } δ } 1 α } <i>Capricorni.</i> 2 α } ε } β } <i>Delphini.</i> δ } μ <i>Aquarii.</i> ☉ 1st L. 8 ^h 24' 36", 6 mean time.
At 0 ^h 53' 58" by G, the first Satellite of Jupiter immersed; at 0 ^h 54' 23" by N; with Mr. Bird's two foot Reflector. Apparent Time 11 ^h 28' 00".						
	52 43- 15 15	53 21- 15 51--	1 53 59 2 16 27	54 38- 55 16	17 39+ 55 16	α <i>Arietis.</i> Fluttering. Saturn's Center. 12 ^h 35' 26", 2 mean time.
17.	28 13+ 3 41 33 54 38 8 42 36- 49 26½ 26 23	26 38 28 49 34 30 38 44- 43 11 50 3 27 0 30 6	13 27 14 29 26- 14 4 57- 19 35 6 39 20 43 47 22 50 40 23 27 37 30 33+	27 51- 30 2 5 35 35 42 39 56 44 23 51 17 28 14 31 10+	28 27- 30 38 6 12½ 36 18 40 32 44 58+ 51 54+ 28 51 31 47	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> Fluttering. γ } <i>Aquilæ.</i> α } β } ☉ 1st L. 9 ^h 6' 15", 7 mean time. ω } <i>Aquarii.</i> 1 ^{ma} . ad. 2 ^{da} . ad.
18.	Clouds 33 55 38 9 42 36+	32 36 28 16 34 31 38 45+ 43 12	13 18 29 1 19 35 7 39 21- 43 48	33 48 29 47 35 43 39 57- 44 24	32 13 34 24 30 32 36 18 40 33- 44 59	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α }
21.	41 9 Clouds 33 57½ 38 12- 42 39 58 4- 3 28- 3 51 20 52- 25 23½ 31 21 38 50 43 20 13 49+	41 45 34 33+ 38 47 43 15- 58 39 4 27 21 28- 26 0- 31 57:: 39 26 44 1 45 44 14 25½	13 42 21+ 44 34 18 29 4 19 35 10- 39 23+ 43 51 59 15 20 4 41 5 4+ 22 4 26 37 32 35:: 40 2 22 44 43- 1 46 21 2 15 2	45 10- 29 50- 35 46- 39 59+ 44 26+ 59 51- 5 17 5 41 22 40 27 13+ 33 11 40 39- 45 24 46 58	45 46 30 35 36 22- 40 35+ 45 2 0 26 5 53+ 6 17 23 16 27 49½ 33 47+ 41 14 46 5 47 35 16 14-	☉ 1st L. ☉ 2d L. α <i>Lyræ.</i> γ } <i>Aquilæ.</i> α } β } 1 α } <i>Capricorni.</i> 2 α } ε } β } <i>Delphini.</i> δ } μ <i>Aquarii.</i> <i>Fomalhaut.</i> ☉ 2d L. 11 ^h 45' 40", 5 mean time. Saturn's Center. 12 ^h 14' 16", 6 mean time.
22.	44 57 3 45+ 33 58 38 12 42 40- 3 28 3 51+ 20 52 25 24 38 51- 43 20	45 33 4 23 34 34 38 48- 43 15 4 4 4 28 21 28 26 0+ 39 26+ 44 1½	13 46 9+ 48 22 14 5 1 19 35 10 39 24- 43 51 20 4 41 5 4½ 22 4 26 37 32 34½ 40 2½ 22 44 43	48 58 5 40 35 46 40 0+ 44 27 5 17 5 41 22 40+ 27 14- 33 11 40 39- 45 24+ 46 5½	49 34 6 17 36 22 40 35 45 2 5 54- 6 17 23 16 27 50 33 48- 41 14+ 46 5½	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> γ } <i>Aquilæ.</i> α } β } 1 α } <i>Capricorni.</i> 2 α } ε } β } <i>Delphini.</i> δ } μ <i>Aquarii.</i> <i>Fomalhaut.</i>
24.	52 37	53 13	13 53 50- 56 2	56 39-	57 15-	☉ 1st L. ☉ 2d L.
25.	56 28 54 47	57 4 55 24-	13 57 41- 59 53 9 56 0+	0 30- 56 37-	1 6- 57 13	☉ 1st L. ☉ 2d L. <i>Regulus.</i>
26.	0 20- 34 4½ 38 19- 43 27 52 55 8 34-	0 56 34 41- 38 54+ 44 9- 53 33	14 1 33 3 46 19 35 17 39 30½ 22 44 50 1 54 11½ 6 9 57	4 22 35 53+ 40 7- 45 32- 54 50 10 39-	4 58+ 36 29 40 42+ 46 13 55 29- 11 20+	☉ 1st L. ☉ 2d L. γ } <i>Aquilæ.</i> α } <i>Fomalhaut.</i> α <i>Arietis.</i> ☉ 2d L. 15 ^h 48' 46", 1 mean time.

In OCTOBER MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
27.	52 45+ 8 34- 12 20-	53 21 9 9 12 55	21 53 56½ 22 9 45 13 30+	54 32 10 21 14 6	55 8- 10 56+ 14 41+	α } <i>Aquarii.</i> γ } π }
29.	52 48- 8 37- 43 32- 7 1	53 24- 9 12+ 12 58 44 13	21 53 59 22 9 48 13 33+ 44 55- 9 8 19	54 34+ 10 24- 14 9+ 45 36 Clouds	55 10+ 10 59 14 45- 46 17	α } <i>Aquarii.</i> γ } π } <i>Fomalhaut.</i> D 2d L. 18h 34' 46", 7 mean time.
31.	At 11h Mane I wound up all the Clocks. N. Q. 22". N. G. 1' 12". N. vibrated 2° 0'; Q. 1° 30'; and G. 1° 50'. I examined the Meridian Marks and Spirit Level, and found them very exact and true.					
	27 49 34 15 38 28 42 55+ 58 20 3 44 4 8½ 21 8 25 40 31 37+ 39 7- 52 52+ 43 37 53 4 11 2+ 58 0	28 35- 34 51- 39 4- 43 31 58 55+ 4 20 4 44 21 44 26 16½ 32 14- 39 42+ 53 28+ 44 18- 53 42+ 11 38	18 29 20 19 35 26 39 40 45 7 59 31 20 4 57 5 22½ 22 20+ 26 53 32 50+ 40 19- 21 54 4 22 44 59 1 54 21 2 12 15- 10 59 14	30 6- 36 2 40 16 44 43 0 7 5 33+ 5 57 22 56+ 27 30 33 27- 40 55 54 40 45 41 55 0- 59 51	30 51 36 38 40 51½ 45 18½ 0 42 6 10 6 34- 23 33- 28 6 34 4- 41 31 55 15½ 46 22 55 38 13 27 0 28	α } <i>Lyræ.</i> γ } α } <i>Aquilæ.</i> β } 9 } 1 α } <i>Capricorni.</i> 2 α } ε } <i>Delphini.</i> β } δ } μ } <i>Aquarii.</i> α } <i>Fomalhaut.</i> α } <i>Arietis.</i> <i>Saturn's Center.</i> 11h 31' 54", 1 mean time. D 2d L. 20h 17' 26", 2 mean time.
Nov. 1.	The Wind being very high, I could not hear the Clock when the Sun passed the Meridian.					
	27 51½ 34 16½ 38 30 Clouds	28 37 Clouds 39 6 Clouds	18 29 22+ 19 35 28+ 39 42 44 10-	Clouds 36 5- 40 18 Clouds	30 53½ 36 42+ 40 54 45 21-	α } <i>Lyræ.</i> γ } α } <i>Aquilæ.</i> β } At 7h 7 38 by N, but at 7h 6' 19" by G, Mars immersed. At 8h 8' 12" by N, but at 8h 6' 53" by G, Mars emerged. The immersion was observed with Mr. Bird's two foot Reflector. The emerfion was observed with the seven foot Telescope. The last contact of Mars with the Moon's dark Limb was at 8h 8' 20" by N. Apparent Time of the immersion 16h 38' 45". Apparent Time of the emerfion 17h 39' 9". 18 34 26 13- 30 38 51 55 7 19 58 27 24 31 18 11 53 8:: 20 40 28 0 31 59 53 44 21 22 28 35+ 32 39 54 20 <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> D 2d L. Very faint.
2.	27 54- 34 18 38 32 42 59+ 43 41- 53 8 10 30	28 39 34 54 39 8 43 35+ 44 22 53 46+ 11 6	18 29 25- 19 35 30+ 39 44 44 11+ 22 45 3+ 1 54 25 2 11 42	30 10 36 6+ 40 20 44 47 45 45 55 4- 55 42	30 55+ 36 42+ 40 56 45 23+ 46 26+ 55 42 12 54	α } <i>Lyræ.</i> γ } α } <i>Aquilæ.</i> β } <i>Fomalhaut.</i> α } <i>Arietis.</i> <i>Saturn's Center.</i> 11h 23' 25", 9 mean time.
3.	53 10- 10 13	53 48+ 10 49	1 54 27 2 11 25	55 6- 12 38	55 43½ 12 38	α } <i>Arietis.</i> <i>Saturn's Center.</i> 11h 19' 11", 1 mean time.
6.	34 25 38 39 43 7	35 1 39 15 43 42+	19 35 37 39 51 44 18	36 14- 40 27 44 54	37 9+ 41 3 45 30	γ } <i>Aquilæ.</i> α } β }
7.	53 17 9 8-	53 55+ 9 44-	1 54 34 2 10 20	56 13	56 51 11 32	α } <i>Arietis.</i> <i>Saturn's Center.</i> 11h 2' 15", 5 mean time.
11.	53 13	53 48+	21 54 24	55 0	55 35+	α } <i>Aquarii.</i>
12.	8 6+ 28 11 34 36 38 50 43 17 47 1 Clouds 53 26 7 48+	8 44- 28 56+ 35 12- 39 26+ 43 53 47 39+ Clouds 54 4½ 8 24½	15 9 21½ 11 37 18 29 42 19 35 48 40 2 21 48 18 22 45 21½ 1 54 43 2 9 1	12 15 30 28- 36 24+ 40 38- 45 5 48 57 46 3- 55 22	12 52+ 31 13 37 0 41 14 45 41 49 35- 46 44- 56 0 10 13	☉ 1st L. ☉ 2d L. α } <i>Lyræ.</i> γ } α } <i>Aquilæ.</i> β } D 1st L. 6h 21' 8" mean time. <i>Fomalhaut.</i> α } <i>Arietis.</i> <i>Saturn's Center.</i> 10h 41' 8" mean time.
13.	12 13 28 13 Clouds	12 50 28 58 34 50	15 13 28 15 44 18 29 44 22 35 27::	16 22 30 30	16 59 31 15 36 41	☉ 1st L. ☉ 2d L. α } <i>Lyræ.</i> D 1st L. 7h 4' 12", 1 mean time.
14.	Clouds	Clouds	23 19 57			D 1st L. 7h 44' 35", 1 mean time.
15.	1 46 53 32	2 22+ 54 10	0 2 59- 46 15 1 54 49		4 11+ 55 28 56 6-	D 1st L. 8h 23' 33" mean time. Pole *; above. α } <i>Arietis.</i>

In NOVEMBER M DCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
15.	7 3 50 18	7 39 50 56	2 8 15 4 51 34		Clouds 52 51-	Saturn's Center. 10 ^h 28' 28",6 mean time. Jupiter's Center. 13 ^h 11' 20",8 mean time.
16.	24 37+ 44 32½	25 15 45 9	15 25 53 28 11 0 45 45+	28 49	29 26½ 46 58	☉ 1st L. ☉ 2d L. ☾ 1st L. 9 ^h 2' 13",8 mean time.
17.	Clouds 34 45 39 0- 43 27 4 15+ 4 39 44 8-	35 22- 39 35+ 44 3- 4 52 5 15 44 19+	18 19 35 58- 40 11+ 44 39- 20 5 29- 5 52 22 45 31 0 46 17 1 29 25- 54 53½ 2 7 46 4 23 23 50 37 5 0 16 4 11 14 5 52	30 37 36 34 40 47+ 45 14+ 6 5 6 29 46 13- 30 37 55 32½ 8 23 24 0 51 53 1 7 4 47+ 6 30	31 23 37 10 41 23 45 50 6 41½ 7 5 46 54+ 30 38½ 56 10 8 58+ 24 36+ 51 53 1 57½ 5 23 7 8	α Lyræ. γ } α } Aquilæ. β } 1 α } Capricorni. 2 α } Fomalhaut. Pole *; above. ☾ 1st L. 9 ^h 41' 48",4 mean time. α Arietis. Saturn's Center. 10 ^h 20' 4" mean time. Aldebaran. Jupiter's Center. 13 ^h 2' 28",1 mean time. Capella. Rigel. Arcturus.
18.	33 0+ 28 24 39 3 6 22 13 46	33 38 29 10- 39 39 6 57 14 24	15 34 16 36 33 18 29 55 19 40 15 1 54 55½ 2 7 33+ 15 2-	37 11 30 40+ 40 51- 55 34	37 49 31 26 41 27- 56 12 8 45+ 16 17-	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. α Arietis. Saturn's Center. 10 ^h 15' 52",7 mean time. ☾ 1st L. 10 ^h 23' 19",3 mean time.
19.	37 12 34 51- 39 4 43 32+ 4 44 44 13 53 41 6 7 55 38 2 12 22 14- 48 20 58 39- 3 3+	37 50- 35 27- 39 40 44 8- 5 19 44 54+ 54 19 6 43- 56 16 2 50 22 50 48 58 59 29+ 3 39	15 38 28- 40 46 19 36 3- 40 16 44 43+ 20 5 34 5 57 22 45 36 0 46 21 1 54 57 2 7 18½ 56 53 3 3 29 4 23 27 49 36½ 5 0 20+ 4 15+	41 24 36 39 40 52 45 19+ 6 10 6 34 46 17+ 55 36 57 31 24 4 24 4 50 53 1 11 4 52-	42 2- 37 15 41 28 Clouds 6 46 7 10 46 59- 56 14 8 30+ 58 9 4 46 24 41 50 53 2 2- 5 27	☉ 1st L. ☉ 2d L. γ } α } Aquilæ. β } 1 α } Capricorni. 2 α } Fomalhaut. Pole *; above. α Arietis. Saturn's Center. 10 ^h 11' 40",2 mean time. 54 Arietis. ☾ 1st L. 11 ^h 7' 40",5 mean time. Aldebaran. Jupiter's Center. 12 ^h 53' 31",5 mean time. Capella. Rigel.
21.	45 36- 28 28 34 52 39 6 43 34- 44 14+ 53 43- 5 37- 22 15 47 16 52 10 58 40+ 3 5+	46 13+ 29 13 35 28 39 42 44 9 44 55½ 54 21 6 12½ 22 51+ 47 54 59 31 3 41-	15 46 51+ 49 10 18 29 58½ 19 36 4 40 18 44 45 20 5 59 22 45 37 0 46 23 1 54 59+ 2 6 49 4 23 28½ 48 32½ 53 31 5 0 22 4 17	49 48 30 44 36 40 40 54 45 21 6 35 46 18+ 55 37- 24 5+ 54 12 1 13 4 53-	50 25½ 31 29 37 16 41 30 45 56+ 7 11+ 47 0- 56 16 8 0+ 24 42 54 53 2 3½ 5 28	☉ 1st L. ☉ 2d L. α Lyræ. γ } α } Aquilæ. β } 2 α Capricorni. Fomalhaut. Pole *; above. α Arietis. Saturn's Center. 10 ^h 3' 16",9 mean time. Aldebaran. Jupiter's Center. 12 ^h 44' 34",2 mean time. ☾ 2d L. 12 ^h 49' 31",6 mean time. Capella. Rigel.
23.	54 2 51 11	54 39: 45 44	15 55 17 57 36 6 52 33	58 14 53 14½	Clouds 53 55+	☉ 1st L. } Naked eye. ☉ 2d L. } ☾ 2d L. 14 ^h 40' 19",9 mean time.
25.	45 6 49 31	45 44	4 46 22 8 50 50	51 29	47 38 52 9-	Jupiter's Center. 12 ^h 26' 37",6 mean time. ☾ 2d L. 16 ^h 30' 25",5 mean time.
26.	6 51- 53 50 44 35 Clouds	7 28 Clouds 45 13 Clouds	16 8 7 10 27 1 55 6 4 45 51 5 0 29	11 5+ 55 45 Clouds	11 43 Clouds 47 7 Clouds	☉ 1st L. ☉ 2d L. α Arietis. Jupiter's Center. 12 ^h 22' 6",4 mean time. Capella.
27.	38 59		10 40 13	40 50	41 27	☾ 2d L. 18 ^h 11' 33",2 mean time.

In DECEMBER MDCC LXIII.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
28.	15 29½	16 8	16 16 46 19 6	19 44	20 22+	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. Pole *; above. α Arietis. Saturn's Center. 9 ^h 34' 3",5 mean time. Aldebaran. Jupiter's Center. 12 ^h 13' 4",8 mean time. ☽ 2d L. 18 ^h 59' 35" mean time.
	28 40 39 18	29 25 39 54	18 30 10+ 19 40 30 0 46 31	30 56 41 6	31 41 41 42-	
	53 55 4 7	54 33½ 4 43	1 55 12- 2 5 19	55 50 5 55	56 28½ 6 31	
	22 28 43 32	23 5- 44 10	4 23 42- 44 48	24 19- 33 1	24 55+ 33 37+	
30.	24 11	24 49	16 25 27 27 48	28 26	29 4	☉ 1st L. ☉ 2d L. α Lyræ. α Andromedæ. Pole *; above.
	28 46 56 15+	29 31 56 55+	18 30 16+ 23 57 36- 0 46 47	31 2 58 16	31 47 58 56	
24 DEC. I.	At 15 ^h 15' Mane I wound up all the Clocks. N. Q. 1' 25". N. G. 2' 53"½. N. vibrates 2° 0'; Q. 1° 30'; and G. 1° 50'. I examined the Meridian Marks, and found the Instrument very true. I also adjusted the Spirit Level.					
	33 7	33 56½	20 34 46	Clouds		α Cygni.
2.	54 7 3 26 22 40- 41 25	54 45 4 2 23 16+ 42 3	1 55 23+ 2 4 38 4 23 53+ 42 41	56 2 24 30+	56 40+ 5 50 25 7- 43 57	α Arietis. Saturn's Center. 9 ^h 17' 27",4 mean time. Aldebaran. Jupiter's Center. 11 ^h 55' 4",3 mean time. Pole *; below. Spica Virginis. Arcturus.
	Clouds 5 6+	5 44	12 46 44 13 14 15 14 6 22	14 51 7 0	15 27 7 38-	
4.			0 46 55			Pole *; above.
6.	54 0½	54 35½	21 55 11+	55 47	56 22	α Aquarii.
7.	54 49+	55 28	16 56 6½ 58 28+ 22 46 7	59 7 46 49-	59 46+ 47 30	☉ 1st L. ☉ 2d L. Fomalhaut.
8.			0 46 58 49 10 49 20			Pole *; above. } below 5° 20'.
	54 14 2 24+ 22 40- 38 3 59 12 3 37 11 39+	54 52 3 0+ 23 23+ 38 41 0 3 4 13 12 19+	1 55 31- 2 3 36 4 24 0+ 39 19 5 0 54 4 49 13 0 12 42 45:: 46 47::	56 9+ 4 12- 24 37+ 39 57 1 45 5 25 13 40+ 14 58 7 7	56 47+ 4 48- 25 14+ 40 35 2 36 6 1- 14 20+ 15 34 7 45	α Arietis. Saturn's Center. 8 ^h 52' 43",4 mean time. Aldebaran. Jupiter's Center. 11 ^h 28' 00",9 mean time. Capella. Rigel. β Tauri. below 5°. Pole *; below. Spica Virginis. Arcturus.
At 15 ^h 30', N. Q. 1' 36"½. Then the Clock was stopped, and the Pendulum was lengthened one Division. At 15 ^h 40', Q. N. 0' 11"; so that N. is now 1' 47"½ slower than it was before. N. vibrates 2° 3'. At 15 ^h 55', N. G. 1' 27"½. G was stopped, and the Pendulum was shortened one Division, and G. was put faster 1' 30'; it being now N. G. 0' 2½. G. vibrated 1° 50'.						
9.	1 50½ 4 13 27 12½ 37 51 24 9+ 52 16-	2 29 4 51 27 58- 38 27- 24 48- 52 51-	17 3 8- 5 30- 18 28 43 19 39 2½ 21 25 27 0 53 26+ 0 40 3 45 9 47 21 47 31	3 46 6 8 29 29- 39 38+ 54 2+	6 47 30 14+ 40 14 26 45- 54 37+	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. ☽ 1st L. 4 ^h 13' 10",1 mean time. α Aquarii. above 5° 0'. Pole *; above. } below 5° 20'.
	52 27 0 27 21 0- 35 42 57 26 9 52	53 5 1 3 21 36+ 36 20- 58 16 2 26- 10 32	1 53 44- 2 1 39 4 22 13 37 58 59 7 5 3 1+ 11 15-	54 22 2 15 22 50 38 14 59 58 3 37+ 11 53-	55 0 2 51 23 27 38 14 0 49- 4 13 12 33	α Arietis. Saturn's Center. 8 ^h 48' 37",1 mean time. Aldebaran. Jupiter's Center. 11 ^h 24' 30",6 mean time. Capella. Rigel. β Tauri.
10.	Clouds 42 58	Clouds 43 39+	17 9 54 22 44 21	Clouds 45 2	11 11+ 46 43+	☉ 2d L. Fomalhaut.
11.	10 38 Clouds 27 12 59 54½	11 17- Clouds 27 57 0 31-	17 11 55+ 14 18 18 28 42½ 23 1 8	12 34 14 56 29 28	15 35 30 13 2 21-	☉ 1st L. ☉ 2d L. α Lyræ. ☽ 1st L. 5 ^h 40' 44" mean time.

In DECEMBER MDCC LXIII.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 11.			0 40 0 45 10			above 5°. Pole *; above.
♂ 13.	19 28+ 20 59 33 26+ 57 25 1 50 9 52	20 6½ 21 36 34 4 58 16- 2 25½ 10 32	17 20 45+ 23 8- 4 22 13 34 42 59 7 5 3 1- 11 12½	23 46 22 50 35 20 59 57+ 3 36- 11 53	24 25- 23 27 35 58- 0 48 4 13 12 33	☉ 1st L. ☉ 2d L. Aldebaran. Jupiter's Center. 11h 5' 31", 8 mean time. Capella. Rigel. β Tauri.
♂ 19.	52 27½ Clouds 21 0 30 13- 1 50+ 9 52½ 19 37+ 25 22½	53 6 Clouds 21 37- 30 51- 2 26- 10 33 20 17+ 26 3+ 41 38-	1 53 44 2 0 17 4 22 14- 31 29 5 3 2 11 13 20 57+ 26 45 42 14-	Clouds 0 53 22 51 3 38+ 11 53½ 21 37 42 49+	Clouds 1 29 23 28- 32 46 4 14 12 34- 22 17+ 28 7+ 43 25	α Arietis. Saturn's Center. 8h 7' 55", 7 mean time. Aldebaran. Jupiter's Center. 10h 38' 43" mean time. Rigel. β Tauri. P. D. 62° 32'. ♂ 1st L. 11h 33' 49", 5 mean time. α Orionis.
♂ 20.	21 0+ 57 27 9 53 41 2½ 28 41 33 21	21 37 58 17 10 33 41 38 33 58- 33 58-	4 22 14 59 8 5 11 13½ 42 14 6 30 3 34 35	22 51 59 59 11 54 42 50- 30 45 35 12	23 28- 0 49 12 34 Clouds 31 26 35 49	Aldebaran. Capella. β Tauri. α Orionis. ♂ 2d L. 12h 33' 1", 3 mean time. Syrius.
♂ 21.	17 57	18 38+	7 19 21-	20 3	20 44+	Castor.
♀ 23.	3 52 27 14 37 52+ 31 32- 52 29 58 45	4 30+ 27 59 38 28 32 21 43 42- 53 7 59 21-	18 5 9+ 7 32 28 45- 19 39 4 20 33 11 22 44 23 1 53 45½ 2 0 56½ 12 39 59 44 59 47 33 47 43 14 4 44	8 11 29 30+ 39 40 34 1 45 4+ 54 24	8 50 30 15 40 16- 34 50+ 45 46 55 2 1 8	☉ 1st L. ☉ 2d L. α Lyrae. α Aquilae. α Cygni. Fomalhaut. α Arietis. Saturn's Center. 7h 52' 50" mean time. below 5° 0'. Pole *; below. } above 5° 20'. Arcturus.
☉ 25.	Clouds 27 18- 13 38+ 11 27 43 9 3 30 36 30	27 55 37 41- 12 3 43 45 4 8- 37 6	4 28 33+ 11 14 52- 58 16+ 12 40 1 45 5 47 36 47 46 13 12 39 44 21 14 4 45½ 37 43	22 54 15 28 38 52 13 15 5 24- 38 20	23 31 29 49 16 5 39 27+ 13 51 45 33 6 1+ 38 56	Aldebaran. Jupiter's Center. 10h 12' 9" mean time. ♂ 2d L. 16h 57' 20", 6 mean time. β Virginis. below 5° 0'. Pole *; below. } above 5° 20'. Spica Virginis. Mars's Center. 19h 26' 26" mean time. Arcturus. α Libræ.
♂ 26.	17 15-	17 53	18 18 32- 20 54+	21 33	22 12-	☉ 1st L. ☉ 2d L.
♀ 30.	21 12 25 12- 11 35+ 3 38+ 36 38- 46 31	21 48 25 48½ Clouds 54 47 4 16+ 37 14 47 11	4 22 25 26 26 13 12 47+ 55 24- 14 4 54 37 51 15 47 52 43 13	23 2 Clouds Clouds 38 28	27 42+ 13 59 56 36- 6 10- 39 4½	Aldebaran. Jupiter's Center. 9h 50' 14", 7 mean time. Spica Virginis. Mars's Center. 19h 17' 38", 9 mean time. Arcturus. α Libræ. ♂ 2d L. Very faint.
♂ 31.		40 12	18 40 51 43 13	43 52	44 30+	☉ 1st L. ☉ 2d L.

In JANUARY MDCC LXIV.

DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.
☉ JAN. 1.	At 16 ^h o' the Clocks were wound up. N. Q. o' o' 1/2. N. G. o' 20". N. vibrates 2° o' ; Q. 1° 30 ; and G. 1° 50'.					
	44 1 Clouds	44 39 Clouds	18 45 18- 47 40 22 Cloudy 0 40 7 45 3 47 47 47 57	48 19:: 45 17	Clouds 45 58	☉ 1st L. ☉ 2d L. Fomalhaut. above 5° o'. Pole * ; above. } below 5° 20'. Aldebaran. Jupiter's Center. 9 ^h 45' 19", 8 mean time. Capella. Rigel. β Tauri. α Orionis. Syrius.
☽ 3.	52 51+ 21 14+ 23 38- 57 41- 2 5 10 8- 18 51 23 8 41 17 1/2	53 30 21 51 24 16 58 31 2 41- 10 47+ 19 26 23 43 1/2 41 53+ 34 12	18 54 9 56 31 4 22 28+ 24 54 59 22 5 3 16 11 28 20 2- 24 19 28 56 42 28+ 6 34 49 12 40 9 45 4 47 58+ 48 9 13 12 50 14 4 57 37 54 15 24 44 18 28 58	57 10- 0 13 3 52+ 12 8+ 20 37+ 29 31+ 43 4+ 35 26	57 48 1/2 26 10+ 4 28 12 48+ 21 12 1/2 30 6 43 40+ 36 3	☉ 1st L. ☉ 2d L. Aldebaran. Jupiter's Center. 9 ^h 32' 56" mean time. Capella. Rigel. β Tauri. δ } Orionis. ε } ζ } Syrius. below 5° o'. Pole * ; below. } above 5° 20'. Spica Virginis. Arcturus. α Libræ. α Coronæ Borealis. α Lyræ.
♀ 4.	57 16 31 45	57 54 32 35-	18 58 33 19 0 54 20 33 24	1 33 34 14	2 11 35 4-	☉ 1st L. } Hazy. ☉ 2d L. } α Cygni.
♀ 6.	Clouds	6 42	19 7 21 9 43	Clouds	10 59 1/2	☉ 1st L. ☉ 2d L.
☽ 11.	35 37 52 46 58 49 21 5 57 45 2 10- 10 12 41 22-	36 14 52 24 59 25 21 42 1/2 58 36 2 46- 10 52 41 57+	0 40 15 45 3 47 55 48 5 1 36 51 54 2 1/2 2 0 1 4 22 21- 59 27 5 3 21- 11 32 1/2 42 33+	54 40 1/2 0 18 3 57 12 13 43 9+	38 5 54 18 1/2 1 13 1 8 4 33 12 53 43 45-	above 5° o'. Pole * ; above. } below 5° 20'. ☉ 1st L. 6 ^h 13' 48", 4 mean time. α Arietis. Saturn's Center. 6 ^h 36' 54", 8 mean time. Jupiter's Center. 8 ^h 58' 51", 1 mean time. Capella. Rigel. β Tauri. α Orionis.
☽ 14.	40 56 1/2 55 1 52 46 1/2 59 1+ 2 58 20 19-	41 34 55 41- 53 25- 59 37 3 38+ 20 56+	19 42 12 44 33 1/2 23 56 21 0 1 14- 40 14 45 4 47 54 48 4 1 54 3+ 2 0 13 4 4 18+ 21 34 1/2 59 27 5 3 22 11 33 20 7-	45 11 1/2 57 1+ 54 41 1/2 0 18 3 57 1/2 12 13+ 20 42+	45 50 57 41 2 27 55 20 1 25+ 5 39 22 50 23 47 1 9- 4 33 12 53 1/2 21 18-	☉ 1st L. ☉ 2d L. α Andromedæ. Algenib. above 5° o'. Pole * ; above. } below 5° 20'. α Arietis. Saturn's Center. 6 ^h 25' 18", 6 mean time. ☉ 1st L. 8 ^h 29' 3", 4 mean time. Jupiter's Center. 8 ^h 46' 16", 6 mean time. Aldebaran. Capella. Rigel. β Tauri. δ Orionis.

In JANUARY MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 14.	23 13+ 27 50 41 22 33 40+	23 48½ 28 25½ 41 58- 34 17	5 24 24 29 1 42 33½ 6 34 54+ 12 40 10 44 59 48 0 48 10 13 12 56 14 5 3 28 1+ 38 0 18 29 4 19 39 23	25 0- 29 36½ 43 9+ 35 31	25 35 30 12 43 45 36 8	ε } Orionis. ζ } α } Sirius. below 5° 0'. Pole *; below. } above 5° 20'. Spica Virginis. Arcturus. Mars's Center. 18h 51' 3", 4 mean time. α Libræ. α Lyræ. α Aquilæ.
☉ 15.	45 15+ 9 35 Clouds	45 54- 32 41: 10 12 Clouds	19 46 32+ 48 52 20 33 30 21 10 49½ 0 40 14 45 4 47 56 48 5 4 21 21 4	49 30+ 22 37 23 48-	50 8½ 12 4 22 37 23 48-	☉ 1st L. ☉ 2d L. α Cygni. Venus's Center. 1h 32' 46" mean time. above 5° 0'. Pole *; above. } below 5° 20'. Jupiter's Center. 8h 42' 6", 5 mean time. Aldebaran.
☽ 16.	59 58	0 39	6 1 21-		2 44-	☽ 1st L. 10h 17' 53", 5 mean time. below 5° 0'.
☽ 17.			12 40 11 45 0 48 1 48 12 13 12 57+ 18 29 5½			Pole *; below. } above 5° 20'. Spica Virginis. α Lyræ.
☽ 18.	58 8	58 45½	19 59 24- 20 1 43	2 21+ 2 59		☉ 1st L. ☉ 2d L.
☽ 19.	41 24½ 33 43+ 25 57 29 43-	42 0+ 34 20 26 33- 30 22+	5 42 36 6 34 57 7 19 43- 27 8+ 31 3	43 12 35 34 20 25 27 44 31 43+	43 48- 36 11- 21 6+ 28 19½ 32 23+	α Orionis. Sirius. Castor. Procyon. Pollux.
☽ 20.	6 39	7 17	20 7 55 10 14 10 52 11 30			☉ 1st L. ☉ 2d L. At 2h 4' 14" by N. the second Satellite of Jupiter emerged. Apparent Time 5h 54' 6". N. B. A little hazy. Observed with Mr. Bird's two foot Reflector. 19 11+ Clouds 4 Cloudy 21 5 Clouds Jupiter's Center. 27 36+ 28 21+ 18 29 7- 29 52+ 30 37+ α Lyræ.
h 21.	10 53- 57 49 2 13½ 11 31- 18 59+ 23 17 27 53½ 33 44 56 34	11 31 19 40½ 58 40- 2 49 12 6 19 35- 23 52 28 29- 42 1 34 21- 12 23+ 4 28+ 37 26 42 28- 28 22	20 12 9+ 14 28 4 20 19- 22 37: 59 30 5 3 25 12 41½ 20 10+ 24 27½ 29 4+ 42 37- 6 34 58- 10 57 47 12 40 11 44 59 48 0 48 11 13 12 59 14 5 6+ 38 3 43 4½ 18 29 7+	15 6 20 56½ 23 14 0 21½ 4 1 13 17+ 20 46 25 3 29 40 43 13- 35 35 58 24	15 44 21 34 23 51- 1 12 4 36: 13 53 21 21½ 25 38 30 15 43 48+ 36 12- Clouds	☉ 1st L. ☉ 2d L. Jupiter's Center. 8h 17' 26", 3 mean time. Aldebaran. Capella. Rigel. } Orionis. ε } ζ } α } Sirius. ☽ 2d L. 14h 53' 49", 2 mean time. below 5° 0'. Pole *; below. } above 5° 20'. Spica Virginis. Arcturus. α Libræ. Mars's Center. 18h 38' 29", 7 mean time. α Lyræ.
☉ 22.	15 7	15 45	20 16 23 18 41	19 19	19 57	☉ 1st L. { Hazy. ☉ 2d L. {
☽ 23.	33 46- 40 41 11 50- 3 52+	34 22+ 12 25+ 4 30	6 34 59+ 12 41 54 13 13 1½ 14 5 8	35 37- 42 30½ 13 38- 5 46	36 13+ 43 7 14 13+ 6 24-	Sirius. ☽ 2d L. 16h 29' 45", 3 mean time. Spica Virginis. Arcturus.

In FEBRUARY MDCCCLXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
23.	27 38½	28 24	18 29 9+	29 55-	30 40-	α Lyræ.
24.	Clouds 25 51::	Clouds 26 29::	20 Cloudy 27 7+::	25 25½: 27 45::	26 3:: 28 22½::	☉ 1st L. { Very hazy and dubious. ☉ 2d L. }
26.	52 54 0 34 41 30- 33 48	53 32 1 10 42 5+ 34 25	0 40 14 45 3 1 54 10½ 2 1 46 5 42 41- 6 35 2-	54 49 Clouds 43 16+ 35 38½	55 27 Clouds 43 52- 36 15+	above 5° 0'. Pole *; above. α Arietis. Saturn's Center. 5h 39' 33" mean time. α Orionis. Syrius.
27.	55 25 52 55 0 44 18 32½	56 8 53 33 1 20 Clouds	0 45 4 56 51- 1 54 11½ 2 1 56 4 19 48 22 41	57 34- 54 50 23 18	58 17- 55 28 3 8 21 4 23 55	Pole *; above. β Virginis. α Arietis. Saturn's Center. 5h 35' 46", 7 mean time. Jupiter's Center. 7h 53' 16" mean time. Aldebaran.
28.	27 43½	28 28½	18 29 14-	29 59+	30 44+	α Lyræ.
29.	44 24+ Clouds 18 2+ 52 57 1 7 27 44 38 22+	Clouds 18 38½ 53 35 1 43 28 29 38 58	20 22 19 15- 1 54 14 2 2 19 18 29 15- 19 39 34	48 34 54 52 30 0 40 10	46 53 49 10½ 20 27½ 55 30 Clouds 30 45 40 46-	☉ 1st L. ☉ 2d L. Venus's Center. 1h 45' 47", 7 mean time. α Arietis. Saturn's Center. 5h 28' 15", 1 mean time. α Lyræ. α Aquilæ.
30.	48 32 22 46+	49 9 23 22½	20 49 47- 52 3+ 22 23 59-	52 41	53 18 Clouds	☉ 1st L. ☉ 2d L. Venus's Center. 1h 46' 34", 2 mean time.
31.	18 30 27 46	19 8 28 31	4 19 46- 22 45 18 29 17-	23 22 30 2	21 1 Clouds 30 47	Jupiter's Center. Very uncertain. Aldebaran. α Lyræ.
At 18h the Clocks were wound up. N. Q. 0' 16". N. G. 0' 48". N. vibrates 2° 0'; Q. 1° 36'; and G. 1° 50'. The Instrument is found true to the Meridian Marks; and the Spirit Level needed no adjusting.						
FEB. 1.	56 45 Clouds 18 32 57 58 2 23- 11 41- 19 9 23 27- 28 3+ 41 36- 33 55½ 18 30 26 8 29 53	57 22 Clouds 19 9½ 22 10 58 49+ 2 59 12 16 19 45- 24 2 28 38½ 42 11+ 34 31 19 12- 26 44- 30 34-	20 57 59 21 0 16 22 33 25 4 19 47+ 22 46½ 59 40 5 3 35 12 51½ 20 20 24 37+ 29 14 42 47 6 35 8 7 19 54 27 19+ 31 14	0 53 23 24 0 31 4 11- 13 27+ 20 56- 25 13 29 49½ 43 23- 35 45 20 35+ 27 55 31 54+	Clouds Clouds 21 3 24 0 1 22½ 4 47- 14 3 21 31 25 48 30 25- 43 58+ 36 21+ 21 17 28 31+ 32 34	☉ 1st L. ☉ 2d L. Venus's Center. 1h 48' 4", 8 mean time. Jupiter's Center. 7h 33' 30" mean time. Aldebaran. Capella. Rigel. γ } δ } Orionis. ε } ζ } α } Syrius. Castor. Procyon. Pollux.
2.	0 50+ 3 7 Clouds	1 27+ 3 44 32 55-	21 2 4½ 4 21 20 33 44+	34 34-	5 35 23 23	☉ 1st L. } Hazy. ☉ 2d L. } α Cygni.
3.	4 55 Clouds 53 2- 2 10 18 37	5 32 Clouds 53 40 2 46- 19 15 22 11	21 6 9 8 25 22 42 45½ 1 54 18 2 3 22- 4 19 53 22 48	9 2 54 56+ 23 25-	9 39 43 57+ 55 34½ 21 9 24 2	☉ 1st L. ☉ 2d L. Venus's Center. 1h 49' 30", 5 mean time. α Arietis. Saturn's Center. } High wind; Clock Jupiter's Center. } could not be heard. Aldebaran.
4.	Clouds 46 13 18 41 58 1 2 26 11 43 19 12 23 29 28 6 41 38 33 56+ 18 32+ 26 11-	11 51 46 49 19 19 22 12 58 52 3 2- 12 18+ 19 47 24 4+ 28 41 42 14- 34 33 19 14+ 26 46	21 12 28½ 22 47 25- 4 19 57 22 49 59 43 5 3 37½ 12 54+ 20 23- 24 40 29 17- 42 49 6 35 10 7 19 56+ 27 22	13 5 23 26 0 34 4 13+ 13 36+ 20 58+ 25 15½ 29 52+ 43 25+ 35 47+ 20 38 27 57½	Clouds 48 37- 21 13 24 3- 1 25 4 49 14 5½ 21 33+ 25 51 30 27½ 44 1 36 24 21 20 28 33	☉ 2d L. Venus's Center. 1h 50' 11", 8 mean time. Jupiter's Center. 7h 21' 49", 6 mean time. Aldebaran. Capella. Rigel. γ } δ } Orionis. ε } ζ } α } Syrius. Castor. Procyon.

In FEBRUARY MDCC LXIV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
4.	29 56	30 36	7 31 16½	31 57	32 37	Pollux.
5.	11 47½	12 23-	5 12 59-	13 34+	4 53+	Rigel.
	19 16+	19 51½	20 27	21 2½	14 10	γ } Orionis.
	23 34-	24 9-	24 44½	25 20+	21 38-	δ } Orionis.
	28 10+	28 46-	29 21+	29 57-	25 55+	ε } Orionis.
	41 42+	42 18	42 54	43 30-	30 32+	ζ } Orionis.
	34 0+	34 37+	6 35 15-	35 52-	44 5+	α } Sirius.
		28 39	18 29 25	30 10	36 28½	α } Lyræ.
8.	25 6+	25 43	21 26 20			☉ 1st L.
			28 34	29 11	Clouds	☉ 2d L.
9.	29 5+	29 42	21 30 19			☉ 1st L.
			32 33½	33 10+	33 47	☉ 2d L.
10.	32 54	33 40½	21 34 17			☉ 1st L.
	13 50½	14 26	23 15 2-	37 8½	37 45	☉ 2d L.
	53 9-	53 47-	1 54 25+	55 4-	16 13+	Venus's Center. 1 ^h 54' 2", 7 mean time.
	3 54	4 30	2 5 6		55 42-	α Arietis.
	39 42	40 22	3 41 1½		6 18	Saturn's Center. 4 ^h 43' 39" mean time.
	19 24+	20 2	4 20 40		42 21-	☉ 1st L. 6 ^h 19' 18", 3 mean time.
			22 55½	23 32+	21 56	Jupiter's Center. 6 ^h 58' 50", 5 mean time.
	58 8	58 58½	59 49+	0 40+	24 9	Aldebaran.
					1 31-	Capella.
11.	37 2	37 38½	21 38 15			☉ 1st L.
	19 34	20 12	4 20 50	41 5½	41 42	☉ 2d L.
			22 56+	23 33½	22 6	Jupiter's Center. 6 ^h 55' 3", 7 mean time.
	33 57	34 37+	35 18+		24 10	Aldebaran.
		58 59	59 50	0 41	36 40-	☉ 1st L. 7 ^h 9' 29", 3 mean time.
	2 33	3 9	5 3 45	4 21-	1 32-	Capella.
	34 4+	34 41-	6 35 18-	35 55	4 57	Rigel.
	18 40	19 21+	7 20 4-	20 46+	36 31½	Syrius.
	26 18+	26 54-	27 29+	28 5	21 27½	Castor.
	30 4	30 43½	31 24	32 5-	28 40+	Procyon.
			12 40 29		32 44½	Pollux.
			12 45 9			below 5° 0'.
			12 48 26			Pole *; below.
			12 48 36			} above 5° 20'.
	12 8+	12 44	13 13 20+	13 56+	14 32	Spica Virginis.
	4 11	4 49	14 5 27	6 5	6 43	Arcturus.
	27 57+	28 43-	18 29 28	30 13+	30 59-	α Lyræ.
13.	Clouds	20 34½	4 21 13-		22 28+	Jupiter's Center. 6 ^h 47' 32", 2 mean time.
	58 10½	59 1	4 59 52	23 35	24 12	Aldebaran.
	2 35	3 10½	5 3 46½	0 43	1 33+	Capella.
	32 40	33 21	6 34 2½	4 22½	4 58	Rigel.
					35 25	☉ 1st L. 9 ^h 0' 0", 4 mean time.
14.	28 0½	28 45½	18 29 31	30 16½	31 1½	α Lyræ.
15.	5 19	5 54½	2 6 30+	55 8+	55 46+	α Arietis.
	20 23-	21 0+	4 21 38½			Saturn's Center. 4 ^h 25' 18" mean time.
			4 3 49-	23 37+	24 14	Jupiter's Center. 6 ^h 40' 34" mean time.
	2 37	3 13-	5 13 5+	4 25-	5 0+	Aldebaran.
	11 54	12 29-	20 34	13 41	14 16½	Rigel.
	19 23	19 58+	24 51	21 9½	21 45	γ } Orionis.
	23 40+	24 16-	29 28	30 4-	26 2	δ } Orionis.
	28 17	28 52	43 1-	43 36½	30 39-	ε } Orionis.
		42 25-	6 35 21+	35 59-	44 12	α } Sirius.
	34 8	34 44+	7 20 7½	20 50-	36 35	Castor.
	18 43½	19 25½	27 33	28 9	21 32-	Procyon.
	26 22	26 57+	31 28	32 9-	28 44	Pollux.
	30 7+	30 47+	8 30 13	30 50+	32 49-	γ Cancri.
			36 45		38 4	☉ 1st L. 10 ^h 54' 28", 9 mean time.
16.	56 40-	57 16	21 57 53+			☉ 1st L.
	Clouds	28 47	18 Cloudy	0 42	Clouds	☉ 2d L.
				30 18	Clouds	α Lyræ.
17.	20 51	21 29	4 22 7		23 23	Jupiter's Center. 6 ^h 32' 39", 4 mean time.
	58 14	59 5-	5 59 55+	0 46+	24 15½	Aldebaran.
	2 38½	3 14+	5 3 50+	4 26+	1 37	Capella.
	11 56+	12 31	13 7	13 43-	5 2	Rigel.
	19 25-	20 0	20 35½	21 11	14 18+	γ } Orionis.
	23 42	24 17+	24 53	25 28+	21 46+	δ } Orionis.
					26 4-	ε }

In FEBRUARY MDCCCLXIV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
♀ 17.	28 18:: 41 52-	28 54 42 25::	5 29 29½ 43 2	30 5+ 43 38	30 41- 44 13½	ζ { Orionis. α
h 18.	4 26 21 7 58 15 2 40- 11 57 19 26- 23 43 28 20- 41 52- 55 14+ 27 28 37 53	5 2 7 15 21 45 59 6- 3 15 12 32 20 1 24 18+ 28 55 42 27 55 50½ 38 28+	22 5 38 7 51 4 22 22½ 59 56½ 5 3 51 13 8 20 36½ 24 54- 29 30½ 43 3 9 56 27- 11 28 41 12 40 34 45 12 48 35 48 45	8 27 23 40 0 47+ 4 27 13 44 21 12 25 29+ 30 6 43 39 57 3+ 27 17 39 40-	9 3 24 16½ 1 38 5 3- 14 19 21 47+ 26 4½ 30 41+ 44 14+ 57 39½ 29 54 40 15	⊙ 1st L. ⊙ 2d L. Jupiter's Center. 6h 28' 58", 1 mean time. Aldebaran. Capella. Rigel. γ } Orionis. δ } ε } ζ } Regulus. ⊙ 2d L. 13h 34' 6", 3 mean time. β Virginis. below 5° 0'. Pole *; below. above 5° 20'.
♂ 20.	21 40 Clouds 18 47 26 25+ 30 10+ 55 16-	22 18 59 7 19 29 27 1 30 51 55 52-	4 22 56 59 58 7 20 11 27 37 31 32- 9 56 28	23 34 0 49 20 53 28 13 32 12 57 4+	Clouds 21 35 28 48 33 52½ 57 40+	Jupiter's Center. 6h 21' 38", 3 mean time. Capella. Castor. Procyon. Pollux. Regulus. The immersion of Spica Virginis behind the Moon was at 11h 39' 21" by N. but at 11h 38' 6" by G. The emersion at 12h 47' 25" by N. but at 12h 46' 10" by G. They were observed with the seven foot Telescope. Apparent Time of the immersion 13h 22' 47"; of the emersion 14h 30' 40". 12 16 14 52 4 20 12 52 13 13 28 16 6 14 5 35 14 4 16 43 6 13 14 40 17 20 6 50 Spica Virginis. ⊙ 2d L. 15h 13' 20", 6 mean time. Arcturus.
♂ 21.	15 58 3 24+ 21 57 58 16 2 40 34 11	16 34- 4 0 22 34+ 59 7 3 16 34 48	22 17 10 19 23 0 4 35½ 4 23 13 59 58- 5 3 52 6 35 25	19 59+ 0 49 4 28 36 2	20 35 5 46½ 1 39+ 5 4 36 39	⊙ 1st L. ⊙ 2d L. Venus's Center. 2h 00' 4", 6 mean time. Jupiter's Center. 6h 17' 59", 1 mean time. Capella. Rigel. Syrius.
♂ 23.	Clouds Clouds 38 43 Clouds	Clouds Clouds 39 19- Clouds	16 Cloudy 16 39-::	11 39 Clouds	12 20 Clouds	⊙ 2d L. Antares. α Aquilæ. α Cygni.
♀ 24.	58 16+ 2 40 11 58 19 27 23 44 28 21 41 53 18 47 26 26- 30 11+ 55 16-	59 5+ 3 16 12 33 20 2 24 19 28 56 42 28½ 19 29 27 1 30 51 55 52-	4 59 57½ 5 3 52+ 13 9 20 37½ 24 55- 29 32- 43 4+ 7 20 11 27 37 31 31½ 9 56 28	0 49+ 4 28 13 45 21 13+ 25 30½ 30 7 43 40 20 53 28 13- 32 12 57 4+	1 39 5 4 14 20 21 48+ 26 5½ 30 42+ 44 16- 21 35 28 48 32 52 57 40+	Capella. Rigel. γ } Orionis. δ } ε } ζ } Castor. Procyon. Pollux. Regulus. At 11h 1' 20" by this Clock, the first Satellite of Jupiter emerged. Observed with Mr. Bird's two foot Reflector. Hazy. Apparent Time 12h 29' 42". 12 57 28 5+ 38 43+
h 25.	Clouds 22 13 Clouds 2 41 Clouds	22 51 3 17 12 34	22 4 23 29 59 58 5 3 53- 13 10::	34 34 0 49 4 29- Clouds	Clouds 24 44½ 1 39 5 5 14 21	⊙ 2d L. Jupiter's Center. 6h 2' 31", 4 mean time. Capella. Rigel. γ Orionis.
⊙ 26.	34 58+ 38 45+	35 34 39 21	22 36 10+ 38 21	38 57+ 42 44	39 33 Clouds	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. } Naked eye. ⊙ 2d L. } Aldebaran. Jupiter's Center. 5h 56' 21", 5 mean time. Castor. Procyon.
♂ 27.	21 52 23 57 18 49+ 26 28+	22 29 24 35- 19 31- 27 4-	4 23 6° 25 13- 7 20 13 27 39+	20 55+ 28 15-	21 37- 28 50+	

In MARCH MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
27.	30 13	30 53	7 31 33½	32 14	32 54	Pollux.
28.	At 7 ^h 10' 57" by N, but at 7 ^h 9' 33" by G, the second Satellite of Jupiter emerged. Observed with Mr. Bird's two foot Reflector. Apparent Time 8 ^h 24' 50".					
	Clouds 38 46	Clouds 39 22-	7 20 14- 19 39 58-	20 56 Clouds	21 38- 41 9-	Castor. α Aquilæ.
29.	46 17-	46 52+	22 47 28½ 49 39	50 15+ 23 44	50 51- 27 15	⊙ 1st L. ⊙ 2d L. Aldebaran. Jupiter's Center. 5 ^h 49' 14", 8 mean time. Capella. Rigel.
	21 53+ 24 43 58 18 2 44- 12 1- 19 30 23 47 28 24- 41 56 Clouds	22 30 25 21 59 9 3 19+ 12 36+ 20 5 24 22 29 0- 42 31+ 28 54-	4 23 7 25 59 5 0 0+ 3 55+ 13 12 20 40+ 24 58- 29 35- 43 7 18 29 39	0 51 4 31 0 51 4 31 13 48- 21 16 25 33½ 30 10 43 43 30 24	1 42 5 7- 14 23+ 21 51 26 9- 30 45½ Clouds Clouds	γ } δ } Orionis. ε } α } α Lyræ.
14 MAR. I.	At 20 ^h 40' Mane the Clocks were all wound up. N. Q. 0 43". N. G. 1' 25". N. vibrates 2° 0'; Q. 1° 28'; and G. 1° 48'.					
	50 2	50 38	22 51 14 53 24	54 0	54 36	⊙ 1st L. ⊙ 2d L.
2.	53 47+	54 23	22 54 59 57 9	57 45	58 21-	⊙ 1st L. ⊙ 2d L.
4.	21 59½ 34 20+ 18 56 26 35 30 20	Clouds 34 57 19 38 27 10+ 31 0	4 23 13 6 35 34+ 7 20 20 27 46 31 41-	Clouds 36 11+ 21 2 28 22 32 21	Clouds 36 48 21 44 28 57 33 1+	Aldebaran. Sirius. Castor. Procyon. Pollux.
	At 7 ^h 59' 44" by N, the first Satellite of Jupiter emerged. Observed with Mr. Bird's two foot Reflector. Apparent Time 8 ^h 54' 48".					
6.	19 2 26 40+ 30 25+ 55 30	19 44- 27 16 31 5½ 56 6+	7 20 25½ 27 51+ 31 46 9 56 43+	21 8 28 27 32 26½ 57 19+	21 49½ 29 3- 33 7- 57 56-	Castor. Procyon. Pollux. Regulus.
7.	At 23 ^h 40' I examined the Meridian Marks, and found the Instrument stand very exact and true. I also tried the Spirit Level, which was very just.					
13.	34 46+ 19 22+ 27 1- 30 46 6 10 55 51- 28 42	35 23 20 4 27 36+ 31 26 6 50 56 27 29 27	6 36 0 7 20 46 28 12 32 6½ 8 7 31- 9 57 4 18 30 13	36 37 21 28 28 48- 32 47 32 47 57 40 30 58	37 14- 22 10- 29 23+ 33 27 8 51 58 16 31 43	Sirius. Castor. Procyon. Pollux. ⊙ 1st L. 8 ^h 38' 30", 7 mean time. Regulus. α Lyræ.
	After this last Observation I compared the Clocks; N. Q. 1' 21". The Clock N. was then stopped, and the Pendulum let down two Divisions. The Clock was then set a going, having been stopped 1' 23". At 20 ^h 10' by comparison, Q. N. 0' 1½". N. vibrates 1° 55'; and at 23 ^h 0' by another comparison, Q. N. 0' 1", and N. vibrated 1° 58'. The Meridian Mark and Spirit Level were also very true.					
14.	37 11	37 46	23 38 21+ 40 32	41 7	41 42	⊙ 1st L. ⊙ 2d L.
15.	54 29 0 58- 5 30+ 5 34 37 58- 31 36	55 5+ 1 35 6 9- 6 13 38 33 32 26-	9 55 42 58 51 10 2 13 6 46½ 6 51 19 39 9+ 20 33 15½	56 19- 59 27 7 25- 7 29 39 45 34 5+	56 55 0 3 7 52+ 7 57 40 20½ 34 55	Regulus. 34 Leonis. P. D. 75° 23' 45". ⊙ 1st L. 10 ^h 26' 23", 6 mean time. 40 } Leonis. P. D. 69° 14' 17". γ } α Aquilæ. α Cygni.
16.	44 29 49 45- 22 4 31 34 1 54 41 6+ 33 25 Clouds 56 27	45 4- Clouds 22 41 32 12 2 30 41 42 34 2 55 5 57 4	23 45 39+ 47 49+ 1 50 57 4 23 18 32 50 5 3 6 6 42 18 6 34 39 9 55 42 10 57 41-	48 25 52 57 23 55 3 42 42 54 35 16 Clouds Clouds	49 0 52 9+ 24 32 34 6 4 18 43 29½ 35 53 56 55 Clouds	⊙ 1st L. ⊙ 2d L. Venus's Center. 2 ^h 12' 32", 3 mean time. Aldebaran. Jupiter's Center. 4 ^h 53' 58", 9 mean time. Rigel. α Orionis. Sirius. Regulus. ⊙ 1st L. 11 ^h 17' 46", 5 mean time.
17.		51 40 53 58	9 55 42 11 52 16 54 35	56 19 55 11	56 55 55 47	Regulus. ⊙ 1st L. as eclipsed. } Center. 12 ^h 9' 26", 9 ⊙ 2d L. not eclipsed. } mean time.

In MARCH MDCC LXIV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
/	"	/	"	/	"	
h 17.	Observations of an Eclipse of the Moon.					
	H	'	"	H	'	"
At 10	13	0	or 10	29	10,25	App. t. D's Horizontal Diameter
	30	0		46	7,25	Eclipse begun, supposed sooner.
	49	20	11	5	23,84	Chord between the Horns
11	0	0		16	1,96	the same
	7	5		23	5,71	the same
	15	24		30	23,41	the same
	19	50		34	48,52	the same
	26	25		41	22,36	the same
	35	25		50	20,77	the light part of the Diameter
	36	50		51	45,53	the same
	40	30		55	24,89	the same
	43	0		57	54,44	the same
	45	15	12	00	9,04	the same
	47	45		2	38,59	the same
12	11	10		25	59,45	the same
	14	40		29	28,83	the same
	18	37		33	25,14	the same
	30	7		44	53,11	the same
	46	19	13	1	2,24	Chord between the Horns
	48	34		3	16,84	the same
	52	12		6	54,20	the same
	57	32		12	13,26	enlightened part of the Diameter
	59	48		14	28,86	the same
13	3	40		18	20,18	Chord between the Horns
	6	30		21	9,68	the same
	8	8		22	47,40	the same
	16	00		30	38,02	the end.
						Rev. Pts.
						4 25,7
						2 40,13
						2 0,8
						1 80,2
						95,0
						5,0
						0,0
						1 40,14
						1 30,20
						1 35,0
						1 35,2
						1 20,0
						0 9,13
						1 40,10
						1 50,14
						1 55,9
						1 90,3
						2 15
						2 45,14
						2 40,23
						3 1
						3 25,10
						3 30,20
						3 55,1
						3 60,2
All the above were observed by the Clock in the Great Room, which by comparison was slower than the Quadrant Clock by 46", both before and after the Observations.						
18.	51 46	52 21-	23 52 56½	55 6	55 42-	56 17-
19.	36 21	36 37	14 37 34	38 11	38 48	8 48
	36 32	37 8	37 45	38 22	38 59	8 59
	43 51		45 9	45 48	46 27	8 27
	Clouds	Clouds	19 Cloudy	Clouds	40 19	8 19
	31 35	Clouds	20 Cloudy	34 4	Clouds	8 4
20.	2 38	3 13	0 3 49-	6 34	7 9	7 9
	43 10	43 49+	5 58	45 7½	45 47	45 47
	45 59		47 19½	48 0	48 40	48 40
21.	6 13+	6 48+	0 7 24+	10 9-	10 44-	10 44-
	Clouds	Clouds	9 55 33-	56 13	56 49+	56 49+
		14 7	16 14 47+	15 27-	16 6	16 6
	36 39-	37 17	37 55	52 40	39 11	39 11
	50 35-		51 58		53 21	53 21
22.	Clouds	10 25	0 11 0½	13 45	14 20	14 20
	Clouds	58 13	4 13 9+	Clouds	0 45	0 45
	Clouds	Clouds	5 42 11	Clouds	Clouds	Clouds
	17 54+	18 35½	7 19 17½	20 0-	20 41+	20 41+
		26 7+	26 43	27 19	27 54	27 54
		29 58	30 38	31 18+	31 59-	31 59-
23.	Clouds	41 25	5 42 1½	42 37	43 13	43 13
	Clouds	Clouds	6 34 22	34 59	35 36	35 36
	Clouds	Clouds	19 38 52	39 28	40 4	40 4
24.	31 25-	32 0½	0 32 36+	35 21-	35 56½	35 56½
	Clouds	Clouds	4 34 45	59 44	0 34	0 34
		41 24	5 42 0	42 36		
		33 43½	6 34 21	34 58+	35 34½	35 34½
		18 25-	7 19 7	19 49	20 30½	20 30½
	25 22	25 57	26 32+	27 8+	27 44-	27 44-
	29 6½	29 47-	30 27	31 7+	31 48-	31 48-
	37 39½	38 15	19 38 51	39 27	40 2½	40 2½
	31 18	32 8	20 32 57	33 47	34 37-	34 37-

In APRIL MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
30.	35 2	35 37	0 36 13	38 58	39 33	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 21' 56", 5 mean time. Jupiter's Center. 4 ^h 7' 41", 9 mean time. Capella. Rigel. α Orionis. Sirius. Castor. Procyon. Pollux.
	54 1	54 38	2 55 15½		56 30	
	57 10	58 0½	4 41 18	59 42	0 32	
	1 35	2 11	5 2 46½	3 22+	3 58	
	33 5½	41 23	6 41 59-	42 34+	43 10	
	25 20	25 56-	7 19 5	34 56½	35 33	
	29 5	29 45+	26 31	19 47½	20 29	
			30 26-	27 7	27 43-	
				31 6+	31 46+	
	At 9 ^h 1' 48" by N, the third Satellite of Jupiter emerged. Observed with Mr. Bird's two foot Reflector. Apparent Time 8 ^h 23' 14".					
	37 39	38 14	19 38 50	39 26	40 1	α Aquilæ.
31.	37 39-	38 14+	19 38 50	39 26-	40 1+	α Aquilæ.
APR. 1.	At 2 ^h 0' by comparison N. G. 0' 37"½. All the Clocks were then wound up; and at 4 ^h 15' by comparison N. G. 0' 37"½, and Q. N. 16". N. vibrates 2° 0'; G. 1° 48'; and Q. 1° 30'.					
	25 19	25 55-	7 26 30+	27 6+	27 42+	Procyon.
	29 4+	29 45-	30 25	31 5½	31 46	Pollux.
	31 16	32 13	19 38 49	39 25	40 0	α Aquilæ.
		32 6-	20 32 55+	33 45	34 35-	α Cygni.
2.	45 54-	46 29+	0 47 5	49 50	50 25½	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 24' 18", 1 mean time. Aldebaran. Sirius. Procyon. Pollux.
	8 10	8 47	3 9 25		10 40	
		21 19	4 21 56	22 33	23 10	
	33 3	33 40	6 34 17	34 54	35 31	
	25 18	25 53	7 26 29	27 4½	27 40	
	29 3	29 43	30 23½	31 4	31 44	
3.	Clouds	Clouds	7 Cloudy	19 43 ::	20 25	Castor.
	25 16-	25 51	26 27-	27 2+	27 38-	Procyon.
	29 1	29 41	30 21+	31 2	31 42	Pollux.
4.	53 7-	53 42	0 54 17½	57 3-	57 38-	☉ 1st L. ☉ 2d L.
			56 27			
6.	0 20-	0 55+	1 1 31-	4 16+	4 51½	☉ 1st L. ☉ 2d L.
			3 40+			
7.	At 12 ^h 11' 5" by N, the second Satellite of Jupiter emerged. Observed with Mr. Bird's two foot Reflector. N. B. Jupiter very low and very hazy. Apparent Time 11 ^h 3' 12".					
			12 43 42			Pole *; below.
			47 20			
			47 30			} above 5° 20'.
8.	7 33	8 9	1 8 44½	11 30	12 6	☉ 1st L. ☉ 2d L.
			10 54			
9.	Clouds	Clouds	1 Clouds	12 58		☉ 1st L. ☉ 2d L.
	41 30	13 55	14 31	15 7	15 43	Venus's Center. 2 ^h 30' 16", 2 mean time.
	Clouds	42 8	3 42 46	Clouds	44 2	Jupiter's Center. 3 ^h 35' 40", 5 mean time.
		Clouds	4 48 21		49 33	
11.	Clouds	Clouds	1 19 37+	22 23	22 59	☉ 1st L. ☉ 2d L.
	32 49	33 27	9 34 6-		35 22	☉ 1st L. 8 ^h 12' 50", 4 mean time.
12.	22 4	22 40-	1 23 16	Clouds	26 37	☉ 1st L. } Naked eye. ☉ 2d L. }
	Clouds	25 30	25 25	26 41½	27 17+	Procyon.
	28 40	29 20	7 26 6	30 41	31 21	Pollux.
			30 0½			
	At 9 ^h 7' 10" by N, the first Satellite of Jupiter emerged. Observed with Mr. Bird's two foot Reflector. Apparent Time 7 ^h 41' 39".					
	53 44+	54 21-	9 54 57	55 33+	56 10-	Regulus.
	27 32	28 9	10 28 46		30 0	☉ 1st L. 9 ^h 3' 31", 4 mean time.
13.	25 42	26 18	1 26 54	29 40	30 16	☉ 1st L. ☉ 2d L.
	0 50-	1 28	29 4		3 23-	Venus's Center. 2 ^h 34' 0", 9 mean time.
			4 2 6-	19 20	20 2	Castor.
	24 52½	25 28-	26 3½	Clouds	27 15-	Procyon.
	28 38-	29 18-	29 58	30 38+	31 19-	Pollux.
	Clouds	Clouds	9 54 55	55 31+	56 8-	Regulus.
	21 24	22 0	11 22 36½	Clouds		☉ 1st L. 9 ^h 53' 19", 8 mean time.
14.	20 15	20 52-	4 21 28½	22 5+	22 42	Aldebaran.
	10 22½	10 58	5 11 34-	12 9+	12 45-	γ } Orionis. α }
	Clouds	40 53	Clouds	42 5-	42 40+	
	32 35½	33 12½	6 33 49+	34 26½	35 3+	Sirius.
	17 12-	17 53+	7 18 35+	19 17+	19 59	Castor.
	24 50	25 25+	26 1	26 37-	27 12	Procyon.
	28 35+	29 15+	29 56-	30 36+	31 16+	Pollux.

In APRIL MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
h 14.	53 40	54 16	9 54 52+	Clouds	56 5	<i>Regulus.</i>
o 15.	33 0	33 36-	1 34 12 36 21	36 57+	37 33	o 1st L. o 2d L.
	17 9	17 51	7 18 33	19 15	19 57	<i>Castor.</i>
	24 47½	25 23	25 59-	26 34+	27 10	<i>Procyon.</i>
	28 33-	29 13	29 53-	30 34-	31 14	<i>Pollux.</i>
δ 17.	14 32+		15 15 52	16 32	17 12-	δ 2d L. 13 ^h 30' 21", 1 mean time.
ξ 18.	43 58-	44 33½	1 45 10 47 20	47 56+	48 32+	o 1st L. o 2d L.
	20 24		16 20 9 21 46	22 28-	23 8	τ <i>Scorpii.</i> δ 2d L. 14 ^h 32' 10", 3 mean time.
η 19.	47 37 Clouds	Clouds	1 48 49½ 5	41 51 30 13½	Clouds 30 55	o 1st L. α <i>Orionis.</i> δ 2d L. 15 ^h 35 49".5 mean time.
♀ 20.	34 57		18 27 43 36 21	28 29+ 37 3+	29 15- 37 45	α <i>Lyræ.</i> δ 2d L. 16 ^h 38' 42", 7 mean time.
h 21.	54 58-	55 33+	1 56 10+ 58 20	58 57	59 33-	o 1st L. o 2d L.
	39 53	40 32	4 41 11		42 29	<i>Venus's</i> Center. 2 ^h 41' 54", 6 mean time.
	56 5	56 44	57 22½	58 1	59 43	<i>Jupiter's</i> Center. 2 ^h 58' 3", 4 mean time.
	0 45	1 21	5 1 57-	2 32+	3 8+	<i>Capella.</i>
	16 51	17 33	6 33 30	34 6	34 42½	<i>Rigel.</i>
	28 15	25 5	7 18 15	18 57	19 39	<i>Syrius.</i>
		25 55	25 41	26 16		<i>Castor.</i>
		53 56-	29 35+	30 16	30 56	<i>Procyon.</i>
			9 54 32	55 9-	55 45	<i>Pollux.</i> <i>Regulus.</i>
o 22.	58 38	59 14	1 59 50- 2 2 2+	2 38	3 14	o 1st L. o 2d L.
	44 48	45 27-	4 46 5+	58 49½	59 40	<i>Venus's</i> Center. 2 ^h 42' 55" mean time.
	0 42	1 18	5 1 53½	2 30	3 5	<i>Capella.</i>
	24 27	25 2+	7 25 38	18 54	19 36	<i>Rigel.</i>
	28 12	28 52	29 32+	26 13½	26 49	<i>Castor.</i>
				30 13	30 53	<i>Procyon.</i> <i>Pollux.</i>
δ 23.	2 20	2 56	2 3 32+ 5 44-	6 20	6 56	o 1st L. o 2d L.
ξ 24.		6 38	2 7 14½ 9 26	10 2½	10 39	o 1st L. o 2d L.
	24 21-	24 56	7 25 32	26 7½	26 43	<i>Procyon.</i>
ξ 25.	9 45	10 21	2 10 57½ 13 9½	13 46	14 22	o 1st L. o 2d L.
	Clouds		4 20 57	Clouds	Clouds	<i>Aldebaran.</i>
η 26.	Clouds	14 41½::	2 Cloudy 16 53::	Clouds	Clouds	o 1st L. o 2d L.
	Clouds	Clouds	5 40 54	41 30	42 6-	α <i>Orionis.</i>
	32 1½	32 38-	6 33 15-	33 52-	34 29-	<i>Syrius.</i>
	28 0½	28 41-	7 18 11	18 43	19 24½	<i>Castor.</i>
			29 21	Clouds	30 41½	<i>Pollux.</i>
δ MAY 1.	At 12 ^h 30' Mane I wound up all the Clocks; and by comparison before and after I found Q. N. 1' 17", and G. N. 3½". N. vibrates 2° 0'; G. 1° 45'; and Q. 1° 30'. I also examined the Meridian Marks, and Spirit Level, which needed no adjusting.					
	32 14½	32 51	2 33 28 35 40	36 17	36 54-	o 1st L. o 2d L.
	19 28	20 5-	4 Cloudy	Clouds	Clouds	<i>Aldebaran.</i>
	Clouds	Clouds	57 34½	Clouds	Clouds	<i>Capella.</i>
	39 8	39 47	5 Cloudy	41 6	Clouds	<i>Venus's</i> Center. 3 ^h 2' 7", 9 mean time.
	31 48	Clouds	6 33 2	33 39	34 16	<i>Syrius.</i>
	16 24+	17 6	7 17 48	18 30	19 12	<i>Castor.</i>
	24 3	24 38+	25 14	25 50-	26 25	<i>Procyon.</i>
	27 48	28 28	29 9-	29 49	30 29	<i>Pollux.</i>
ξ 2.	16 22	17 4-	7 17 46-	18 28	19 10-	<i>Castor.</i>
	24 0½	24 36	25 12-	25 47½	26 23-	<i>Procyon.</i>
	27 45½	28 25½	29 6	29 46½	Clouds	<i>Pollux.</i>
η 3.	39 49-	40 25	2 41 2 43 14+	51+	44 28-	o 1st L. o 2d L.
	38 58½	39 38-	5 40 17 9	14 48+	41 36-	<i>Venus's</i> Center. 2 ^h 54' 10", 6 mean time.
			12 38 12 42 52		15 24	α <i>Hydræ.</i> below 5° 0'.
h.	5 47 25	48 2	2 48 39			o 1st L.

In MAY MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
5.	55 44 39 21- 48 47 Clouds 31 39 16 15 23 54- 27 39	56 34 Clouds 49 26+ 32 16 16 56 24 29 Clouds	2 50 52 4 Cloudy 5 40 32 6 50 6 6 21 12½ 32 53 7 17 39 25 4½ 28 59	51 29 Clouds 41 8 33 30 18 21 25 40 29 39½	52 6 Clouds 41 44- 51 25 34 7 19 3 26 16 30 19½	☉ 2d L. Capella. α Orionis. Venus's Center. 2 ^h 56' 11", 5 mean time. ☽ 1st L. 3 ^h 27' 12", 7 mean time. Sirius. Castor. Procyon. Pollux.
6.	51 14½ 31 37 17 45 23 51+ 27 36+	51 51½ 32 14 18 25½ 24 27 28 17-	2 52 28+ 54 42 6 32 51 7 19 5- 25 2½ 28 57 13 11 55+	55 19 33 28 25 38 29 37+ 12 31	55 56 34 5 20 26 26 13½ 30 18- 13 7+	☉ 1st L. ☉ 2d L. Sirius. ☽ 1st L. 4 ^h 21' 2", 4 mean time. Procyon. Pollux. Spica Virginis.
7.	55 5 55 40+ 39 17+ 58 34 31 36- 23 50 27 35 14 47- 52 40 9 43-	55 42 56 31 39 53 59 14- 32 12½ 16 53 24 26- 28 15+ 15 26 53 16+ 10 18½	2 56 19 58 33 4 57 22 5 1 17 40 29 59 53+ 6 32 50- 7 17 35½ 25 1+ 28 56- 8 16 6 9 53 53 13 10 54½	59 10 58 13 41 5 33 27 18 17+ 25 37 29 36+ 54 30- 11 30½	59 47 59 3½ 41 41- 1 12 34 3+ 26 12 30 16½ 17 25+ 55 6 12 6	☉ 1st L. ☉ 2d L. Capella. Rigel. α Orionis. Venus's Center. 2 ^h 58' 8", 8 mean time. Sirius. Castor. Procyon. Pollux. ☽ 1st L. 7 ^h 13' 59" mean time. Regulus. Spica Virginis.
8.	10 6 52 41	10 45 53 17	9 11 24- 53 53½ 13 10 55	54 30 11 31	12 41- 55 6 12 7-	☽ 1st L. 6 ^h 5' 11", 1 mean time. Regulus. Spica Virginis.
9.	31 37- 16 12 23 51 27 36 Clouds	32 13 16 54 24 26½ 28 16 Clouds	6 32 50+ 7 17 36 25 2 28 57- 9 53 54-	33 27½ 18 18 25 38- 29 37 54 30+	34 4- 19 0 26 13 Clouds Clouds	Sirius. Castor. Procyon. Pollux. Regulus.
10.	55 57	56 34-	10 57 10+		58 24-	☽ 1st L. 7 ^h 42' 50", 3 mean time.
13.	18 25 Clouds 39 13+ 27 41- Clouds Clouds Clouds 52 36 Clouds 1 41	19 2+ Clouds 39 49 28 20 52 8+ Clouds Clouds 53 12 Clouds 2 19+	3 19 40 21 54 4 41 12 5 40 25 6 29 0 32 45+ 7 17 31 Clouds 9 53 48½ 13 38 41 14 2 57	22 32 41 51 41 1 33 22½ 18 13+ 29 32 54 25 3 35-	23 9 42 30 Clouds Clouds 18 55 39 12+ 55 1 39 56- 4 13	☉ 1st L. ☉ 2d L. Mercury's Center. 1 ^h 16' 10", 1 mean time. α Orionis. Venus's Center. 3 ^h 3' 39", 7 mean time. Sirius. Castor. Pollux. Regulus. ☽ 1st L. 10 ^h 12' 9", 9 mean time. Arcturus.
14.	22 20 Clouds 52 34½ Clouds	22 57½ 28 10 Clouds	3 23 35 25 59: 7 28 50 9 14	26 26½ Clouds 54 24- 3 34-	27 4 30 11: Clouds 4 12	☉ 1st L. ☉ 2d L. Pollux. Regulus. Arcturus.
16.	30 12 Clouds 1 39-	30 50 2 17 21	3 31 27 Clouds 6 14 2 55- 59	34 20 33 20 3 32 36	Clouds Clouds 4 11- 15	☉ 1st L. ☉ 2d L. Sirius. Arcturus. Comes.
17.	Clouds 16 4½ Clouds Clouds 2 26	32 5 Clouds Clouds 28 8+	6 32 42+ 7 24 54½ 28 49- 18 3 50 3 54-	33 19½ Clouds 29 29+ Clouds Clouds	33 56 Clouds 30 9 5 14 5 16-	Sirius. Castor. Procyon. Pollux. ☽ 2d L. 14 ^h 20' 54", 7 mean time. ♄ Sagittarii.
18.	38 7 Clouds 51 22 16 4 23 42 Clouds	38 45- 12 23 52 1 16 45½ Clouds 28 8-	3 39 22 41 38 5 13 3 6 52 40½ 7 17 27½ 24 53 28 48	42 15+ 18 10- 29 28+	42 53 14 21 53 59 18 51 Clouds Clouds	☉ 1st L. ☉ 2d L. Mercury's Center. 1 ^h 28' 19" mean time. Venus's Center. 3 ^h 7' 40", 3 mean time. Castor. Procyon. Pollux.

In MAY MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H " "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
♀ 18.	9 44		19 11 8—	11 49+	12 31	☽ 2d L. 15 ^h 24' 6", 5 mean time.
♂ 19.	1 38 1 42	2 15 2 19+	14 2 53 2 57	3 31 3 35	4 8 4 12	Arcturus. Comes.
☉ 20.	46 5 8 59	46 42—	3 47 20— 49 35 21 10 17—	50 13 10 56	50 50 11 35—	☉ 1st L. ☉ 2d L. ☽ 2d L. 17 ^h 15' 6", 4 mean time.
♂ 21.	5 15 Clouds 27 25 52 30 34 24 34 35 0 27½	5 55— Clouds 28 5 53 6 35 1 35 12	7 6 34 24 51 28 45+ 9 53 42½ 14 35 37+ 35 48½ 22 1 43	25 27— 29 25 54 19 36 14 36 25+ 2 21	7 53 26 2 30 6 54 55 36 51 37 2 2 58	Venus's Center. 3 ^h 9' 46", 3 mean time. Procyon. Pollux. Regulus. α Libræ. Comes. ☽ 2d L. 18 ^h 2' 28", 7 mean time.
♂ 22.	34 23 34 34½ 29 39— 47 51	35 0 35 11 30 28	14 35 36½ 35 48— 20 31 18+ 22 49 6::	36 13 36 24 32 7½ Clouds	36 50 37 1 32 57 50 19	α Libræ. Comes. α Cygni. ☽ 2d L. Hazy.
♀ 23.	58 2+ 34 22+ 34 34 29 38+ 32 34	58 40+ 32 0½ 35 0— 35 10+ 30 28—	3 59 18½ 4 1 34 6 32 36½ 14 35 36 35 47 20 31 17½ 23 33 46	2 12 33 14 36 13 36 24 32 7 34 22+	2 50 33 51 37 0 32 57— 34 59	☉ 1st L. ☉ 2d L. Syrius. α Libræ. Comes. α Cygni. ☽ 2d L. 19 ^h 26' 25", 9 mean time.
♂ 24.	9 30+	10 6	13 10 42+ 14 35 36 35 47	11 18+ 36 23—	11 54 36 49 37 0	Spica Virginis. α Libræ. Comes.
♀ 25.	6 6+ 31 23+ 16 0 23 22 27 23	6 44 32 0+ 16 40 24 1— 28 3	4 7 22+ 9 38 57 10— 6 32 37 7 17 23 24 40 28 44—	10 16+ 58 0+ 33 15— 18 5 29 24½	10 54 51— 33 51½ 18 46: 25 58 30 4+	☉ 1st L. ☉ 2d L. Capella. Syrius. Castor. Venus's Center. 3 ^h 12' 7", 4 mean time. Pollux.
♂ 26.	10 8:: 39 5 31 23½ 23 38+ 27 49	10 47— 32 0+ 24 13 28 28	4 11 25 13 41 5 40 17 6 32 37+ 7 24 49 29 7—	14 19+ 40 52 33 14+ 25 25—	14 57½ 41 28 33 51 26 0+ 30 25	☉ 1st L. ☉ 2d L. α Orionis. Syrius. Procyon. Venus's Center. 3 ^h 12' 37", 7 mean time.
☉ 27.	14 12 31 24— 23 38 27 23 32 14	14 50 32 0 24 13 28 3 32 53—	4 15 28 17 45 6 32 37 7 24 49 28 43½ 33 32 13 10 42	18 23 33 14 25 25 29 24 33 32 11 18	19 1 33 51+ 26 0 30 4 34 50 11 54	☉ 1st L. ☉ 2d L. Syrius. Procyon. Pollux. Venus's Center. 3 ^h 13' 6", 2 mean time. Spica Virginis.
♂ 28.	18 16 Clouds 23 38 27 23 36 37	18 54 24 13+ 28 3 37 15+	4 19 32 21 49 7 24 49 28 44— 37 54+	22 27 18 5 25 25— 29 24	23 5 18 47 26 0 30 4 39 12	☉ 1st L. ☉ 2d L. Castor. Procyon. Pollux. Venus's Center. 3 ^h 13' 31", 8 mean time.
♂ 29.	23 38 9 30 1 34+ 1 38	24 13+ 10 6 2 12 2 16	7 24 49 42 14+ 13 10 42 14 2 49½ 2 54	25 25— 11 18 3 27 3 31	26 0 12 54 4 5— 4 9	Procyon. Venus's Center. 3 ^h 13' 55" mean time. Spica Virginis. Arcturus. Comes.
♂ 31.	21 17— 29 23	21 57— 29 58+	15 22 36+ 30 34+	23 17— 31 10—	23 57— 31 45	α Coronæ Borealis. α Serpentis.
♀ JUNE 1.	At 2 ^h 30' I wound up all the Clocks, and examined the Meridian Marks and Spirit Level. The Instrument needed no adjusting. At 5 ^h 15' I compared the Clocks, and found Q. N. 1' 26". N. G. 0' 37". N. vibrates 2° 0'; Q. 1° 30'; and G. 1° 48'.					
☉ 3.	Clouds 48 22—	Clouds 49 1—	4 44 1 15 49 37+	Clouds 43 9 50 15—	43 48 45 33½ 50 52—	☉ 1st L. π } Scorpii. δ } β } double.
♂ 4.	46 50 Clouds	47 28 Clouds	4 48 6 50 24—	51 2 3 22+	51 40 3 59	☉ 1st L. ☉ 2d L. Spica Virginis. Arcturus.

In JUNE MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian. Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
5.	1 33- 41 9 48 20 2 30+ 11 30 27 44	2 11 41 48- 48 57+ 3 5½ 12 9 28 23	14 2 49- 15 42 27+ 49 35 59 49 16 3 41+ 12 48½ 29 2	3 26 43 7 44 53 50 12½ 0 25 4 16½ 13 28	4 3 43 46- 45 31+ 50 50 1 1- 4 52- 14 7 30 19	Comes. * } δ } <i>Scorpii.</i> β } double. 0"½ difference. δ } ε } <i>Ophiuchi.</i> <i>Antares.</i> <i>Mars's Center.</i> 11 ^h 31' 50", 4 mean time.
6.	55 1 31 17 14 3 Clouds 37 18 Clouds 1 28 1 32 11 29 26 15-	55 40 31 54 14 41 Clouds 37 55 9 59+ 2 5 2 9 12 8 26 53+	4 56 18 6 32 31 8 15 19 9 53 34 10 38 32- 13 10 35½ 14 2 43 2 47 16 12 47½ 27 32	Clouds 33 8 33 45 16 36 54 10 54 46+ 39 45 11 11½ 3 21- 3 25 13 27	Clouds 33 45 16 36 54 46+ 39 45 11 47 3 58 4 2 14 6 28 50+	☉ 1st L. <i>Syrus.</i> <i>Venus's Center.</i> 3 ^h 15' 33", 5 mean time. <i>Regulus.</i> ☽ 1st L. 5 ^h 38' 22", 3 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Comes.</i> <i>Antares.</i> <i>Mars's Center.</i> 11 ^h 26' 26", 2 mean time.
7.	59 7½ 27 53 9 22 1 27- 1 30½ 41 6½ Clouds 58 36½ 2 28 11 28-	59 46- 28 29 9 58 41 45½ Clouds 59 12 3 3 12 7 25 24+	5 0 24½ 2 42 11 20 6- 13 10 34 14 2 41 2 46 15 42 25 44 13 49 33 59 47+ 16 3 39 12 46 26 3+	3 21- 11 10 3 19 3 23 43 4+ 44 51 50 10 0 23 4 15- 13 26	3 59 30 18 11 46 3 57 4 1 45 29 50 47 0 58 4 50 14 5 27 21	☉ 1st L. ☉ 2d L. ☽ 1st L. 6 ^h 24' 53", 1 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i> <i>Comes.</i> π } δ } <i>Scorpii.</i> β } δ } <i>Ophiuchi.</i> ε } <i>Antares.</i> <i>Mars's Center.</i> 11 ^h 21' 2", 9 mean time.
10.	9 19- 1 22+ 1 26½ 8 8+ 41 3 48 14 58 33 2 24+ 11 24 20 25	9 55- 2 0 2 4 8 45+ 41 42 48 51½ 59 8+ 3 0- 12 3 21 4-	13 10 30½ 14 2 38 2 42 9 25+ 15 42 21 44 9 49 29 59 44 16 3 35 12 42½ 21 42+	11 6+ 3 16- 3 20 43 0½ 44 47+ 50 7 0 20- 4 10+ 13 22	11 42+ 3 53+ 3 58- 10 41- 45 25 50 44 0 55 4 46 14 1 23 0	<i>Spica Virginis.</i> <i>Arcturus.</i> <i>Comes.</i> ☽ 1st L. 8 ^h 53' 2", 4 mean time. π } δ } <i>Scorpii.</i> β } double. δ } <i>Ophiuchi.</i> ε } <i>Antares.</i> <i>Mars's Center.</i> 11 ^h 4' 58", 7 mean time.
12.	At 13 ^h 10' I adjusted the Instrument, which was a very little to the Eastward of the Meridian. The Spirit Level was very exact.					☉ 1st L. ☉ 2d L.
13.	23 51 40 27	24 29 41 5- 52 50	5 25 8 27 26+ 8 41 43- 9 53 26½	28 5+ 54 3	28 43+ 42 58	☉ 1st L. ☉ 2d L. <i>Venus's Center.</i> 3 ^h 14' 28", 9 mean time. <i>Regulus.</i>
14.	9 16+ 1 20 Clouds 48 12 2 22 11 22 15 1- 35 59	9 52 1 58- 48 49+ 59 6 2 57+ 12 1 15 39+	13 10 28 14 2 35+ 15 44 6½ 49 27 59 42- 16 3 33 12 40½ 16 18 18 37 23-	11 4+ 3 13- 44 45 50 4+ 0 17 4 9- 13 20 38 5	11 40 3 51 43 37 Clouds 50 42 0 52½ 4 44 13 59 38 46	<i>Spica Virginis.</i> <i>Arcturus.</i> π } δ } <i>Scorpii.</i> β } δ } <i>Ophiuchi.</i> ε } <i>Antares.</i> <i>Mars's Center.</i> 10 ^h 43' 54", 1 mean time. ☽ 2d L. 13 ^h 4' 35", 3 mean time.
15.	Clouds Clouds Clouds	35 6	5 35 45 16 15 2	36 23 13 19½	37 2 13 59- 19	☉ 2d L. <i>Antares.</i> <i>Mars's Center.</i> 10 ^h 38' 42", 7 mean time.
16.	Clouds 9 16+ 42 58	9 52- 9 52- 42 58	5 37 35 39 53 13 10 28- 14 2 35 20 44 17	38 15 Clouds 11 4+ 44 57	41 10 11 39½ 45 36	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i> ☽ 2d L. 15 ^h 3' 17", 1 mean time.
17.	40 27 31 9 54 23	41 5½ 31 45 55 0+	5 41 44 44 2+ 6 22 22½ 8 55 38	44 41 33 0- 56 53	45 20- 33 36 56 53	☉ 1st L. ☉ 2d L. <i>Syrus.</i> <i>Venus's Center.</i> 3 ^h 12' 39" mean time.

In JUNE MDCCCLXIV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
17.	9 15+ 1 19 41 0 48 11 58 30 2 21 11 21 38 2	9 51- 1 56½ 41 39- 48 48+ 59 5 2 57 11 58	13 10 27 14 2 34½ 15 42 18+ 44 6 49 26 59 41 16 3 32 12 39½ 12 36+ 21 39 18+	11 3+ 3 12+ 42 57 44 44 50 4- 0 16 4 8- 39 57-	11 39- 3 50 43 36 45 22 50 41 0 51 4 43 13 58 13 54 40 35	<i>Spica Virginis.</i> <i>Arcturus.</i> π } <i>Scorpii.</i> δ } β } <i>Ophiuchi.</i> <i>Antares.</i> Mars's Center. 10 ^h 28' 25", 8 mean time. D 2d L. 15 ^h 54' 14", 3 mean time.
19.	1 18	1 56	14 2 34- 16 10 22	3 11½ 11 0	3 49 11 38	<i>Arcturus.</i> Mars's Center. 10 ^h 18' 20", 3 mean time.
20.	31 7½ 23 22 9 14 1 17 48 9 58 28 8 2 11 19	53 32 31 44 23 57- 4 48 9 49½ 1 55- 48 46+ 59 3 2 54+ 8 40 11 58	5 54 11 56 29 6 32 21 7 24 33- 9 5 26- 13 10 25½ 14 2 32½ 15 42 16½ 44 4 49 24 59 39 16 3 30 9 18 12 37½	57 8 32 58 25 9- 9 26- 11 1½ 3 10+ 42 56- 44 42 50 1+ 0 14 4 6- 9 56 13 17	57 47- 33 5- 25 44- 6 40+ 11 37 3 48 43 34+ 45 20 50 39 0 49 4 41 10 34 13 56	☉ 1st L. ☉ 2d L. <i>Syrius.</i> <i>Procyon.</i> Venus's Center. 3 ^h 10' 38", 2 mean time. <i>Spica Virginis.</i> <i>Arcturus.</i> π } <i>Scorpii.</i> δ } β } <i>Ophiuchi.</i> Mars's Center. 10 ^h 13' 22", 2 mean time. <i>Antares.</i>
21.	57 2 9 13- 1 16	57 40½ 9 48 1 54-	5 58 19 6 0 38 13 10 24½ 14 2 31½	1 17- 11 0½ 3 9+	1 55 11 36 3 47	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i>
22.	1 10 9 12- 0 0	1 49+ 9 47½ 6 38	6 2 28 4 46 13 10 23½ 16 7 17 12 36	5 25- 11 0- 13 15	6 4 11 35+ 8 35 13 54:	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> Mars's Center. 10 ^h 3' 31", 8 mean time. <i>Antares.</i>
23.	5 20 9 11½ 1 15	5 59 9 47 1 53	6 6 37+ 8 56- 13 10 23+ 14 2 31-	9 34 10 59 3 8½	10 13 11 35 3 46	☉ 1st L. ☉ 2d L. <i>Spica Virginis.</i> <i>Arcturus.</i>
26.	Clouds	Clouds	6 19 3:			☉ 1st L.
27.	21 54	Clouds 24 50	6 23 11 25 29	26 8	26 46	☉ 1st L. ☉ 2d L.
28.	Clouds 1 10	26 40+ 1 48	6 27 19+ 29 37 14 2 26	30 16- 3 4	30 54- Clouds	☉ 1st L. ☉ 2d L. <i>Arcturus.</i>
29.	Clouds Clouds 11 11½	30 48 1 47 11 51-	6 31 27 33 44½ 14 2 25 16 12 30	34 23 3 3 13 9+	35 2 Clouds 13 49-	☉ 1st L. } Hazy. ☉ 2d L. } <i>Arcturus.</i> <i>Antares.</i>
30.	1 9	1 46+	14 2 24+	3 2+	3 40	<i>Arcturus</i>
☉ JULY 1.	At 4 ^h 30' Mane I compared the Clocks, and found Q. N. 1' 30"; and N. G. 1' 11½". N. vibrated 2° 0'; Q. 1° 30"; and G. 1° 48". They were then all wound up; and N. was stopped, and the Pendulum was screwed up 1 Division; and the Clock was then set a going again 1' 54" faster than it was before. And at 5 ^h 0' by comparison, N. Q. 0' 26½".					
	40 22 36 45	41 1 37 21+	6 41 40 43 57 9 37 58	44 36	45 15 39 11½	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 58' 3", 1 mean time.
4.	52 49 43 32	53 27: 44 8½	6 Cloudy 9 44 45		45 58	☉ 1st L. Venus's Center. 2 ^h 52' 59", 4 mean time.
5.	56 57	57 36-	6 58 14 7 0 31	1 9	Clouds	☉ 1st L. ☉ 2d L.
6.	Clouds	Clouds	6 34 14:	Clouds	Clouds	<i>Syrius.</i>
7.	5 11 49 29- 11 7 48 44+ 3 10½ 0 25 13 13-	5 49 Clouds 54 41 11 43 49 20- 3 48 1 3+ 13 52	7 6 28 8 45 9 50 41 55 17 13 12 19 49 55 14 4 26 16 1 42½ 14 31½	9 24 55 54 12 55 5 4 15 11-	10 2 51 53+ 13 31 51 6- 5 41½ 3 0 15 50	☉ 1st L. ☉ 2d L. Venus's Center. 2 ^h 47' 3", 6 mean time. <i>Regulus.</i> <i>Spica Virginis.</i> D 1st L. 6 ^h 45' 38", 2 mean time. <i>Arcturus.</i> Mars's Center. 8 ^h 57' 4", 3 mean time. <i>Antares.</i>

In JULY MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
7.	20 41½	21 18	4 21 55	22 32		<i>Aldebaran.</i>
	After this Observation I examined the Meridian Mark and Spirit Level, and found the Instrument very true.					
	57 7	57 57 2 7½	4 58 48 5 2 43 41 54	59 39 3 19— 42 30	0 29 3 55½ 43 6	<i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i>
		33 38	6 34 15	34 52	35 29	
8.	9 18	9 56	7 10 34: 12 52	13 30	14 8	☉ 1st L. ☉ 2d L.
	51 16	51 52	9 52 28	53 4	53 40	<i>Venus's Center.</i> 2 ^h 44' 53",3 mean time.
	11 8	11 44—	13 12 20—	12 56—	13 32—	<i>Spica Virginis.</i>
	3 11+	3 49	14 4 27	5 5—	5 42½	<i>Arcturus.</i>
	46 6	46 45	47 24		48 42	☿ 1st L. 7 ^h 39' 0",6 mean time.
	0 25	1 3½	16 1 42½		3 0	<i>Mars's Center.</i> 8 ^h 53' 7" mean time.
	13 14—	13 52½	14 32+	15 12+	15 51—	<i>Antares.</i>
	20 42+	21 19	4 21 56	22 33	23 10—	<i>Aldebaran.</i>
	57 8	57 58	5 58 49	59 40	0 31	<i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i>
	40 44½	41 20	5 2 44	42 31	43 7—	
	33 2	33 39	6 34 16	34 53	35 30	
9.	13 24	14 2	7 14 40½ 16 58—	17 36	18 14+	☉ 1st L. ☉ 2d L.
	52 57	53 33	9 54 9½		55 22½	<i>Venus's Center.</i> 2 ^h 42' 38",2 mean time.
		11 45—	13 12 21—	12 57—		<i>Spica Virginis.</i>
	3 12+	3 50	14 4 28	5 6—	5 43½	<i>Arcturus.</i>
11.	21 37	22 15	7 22 54—			☉ 1st L.
13.	29 47	30 25	7 31 3 33 20	33 58	34 36	☉ 1st L. ☉ 2d L.
	1 20	1 59	16 2 38		3 55	<i>Mars's Center.</i> 8 ^h 34' 18",4 mean time.
17.	3 21	3 59—	14 4 36½	5 14+	5 52	<i>Arcturus.</i>
	42 10½		23 43 23	43 59	44 35+	☿ 2d L. 15 ^h 57' 58",4 mean time.
	57 18+	58 9	4 59 0	59 50½	0 41	<i>Capella.</i>
	1 42½	2 18—	5 2 54	3 30	4 6	<i>Rigel.</i>
18.	50 4+	50 42	7 51 20 53 36	54 14	54 52—	☉ 1st L. ☉ 2d L.
	26 36½		0 27 49	28 25	29 1+	☿ 2d L. 16 ^h 38' 21",5 mean time.
19.	54 7—	54 45—	7 Cloudy Clouds	58 16+	Clouds	☉ 1st L. ☉ 2d L.
	11 20+	11 56	10 4 41½		5 53+	<i>Venus's Center.</i> 2 ^h 13' 37" mean time.
	3 24	Clouds	13 12 32	13 8	13 44—	<i>Spica Virginis.</i>
			14 Cloudy			<i>Arcturus.</i>
21.	2 9	2 47	8 3 25 5 41	6 19	6 57	☉ 1st L. ☉ 2d L.
	37 54	38 30—	19 39 5½		40 17	<i>α } Aquilæ.</i>
	22	42 57	43 32½	44 8½		<i>β }</i>
	46	58 22	58 57+		0 8—	<i>θ }</i>
22.	Clouds		4 59 7 5 3 1+	22 51— 59 57½	0 48	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> <i>α Orionis.</i> <i>Syrus.</i>
	41 2 Clouds	41 37	6 42 13	42 49+	43 24	
23.	Clouds	13 2+	8 13 40 16 14 50	14 18 15 29+	56 16 8+	☉ 2d L. <i>Antares.</i>
24.	32	11+	16 14 51	15 30+	16 9+	<i>Antares.</i>
25.	18 7+	18 45—	8 19 22+ 21 37—	22 14½	22 52	☉ 1st L. } Hazy. ☉ 2d L. }
27.	Clouds 57 29+	Clouds	4	22 54 0 1+	23 31 0 52	<i>Aldebaran.</i> <i>Capella.</i>
28.	Clouds	30 35+	8 31 13+ 33 27½	34 5+	34 42	☉ 1st L. ☉ 2d L.
	Clouds		13		13 52:	<i>Spica Virginis.</i>
	3 32½	4 10+	14 4 48	5 26	6 3½	<i>Arcturus.</i>
	12 29	13 7:	16 13 47		15 5	<i>Mars's Center.</i> 7 ^h 46' 10",3 mean time.
29.		34 32	8 35 9 37 24:	38 1	37:	☉ 1st L. ☉ 2d L.
	57 31	58 22	4 59 13	0 4—	0 54	<i>Capella.</i>
AUG. 1.	45 41—	Clouds	8			☉ 1st L. ☉ 2d L.
		48 31	Clouds		50 22	
3.	21 12	21 49—	4 22 26—	23 3—	23 39+	<i>Aldebaran.</i>

In AUGUST MDCC LXIV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.			5 42 25½		43 36½	α Orionis.
4.	39	29½	4 59 20½	0 11½	1 2	Capella.
	41 15+	2 39 Clouds	5 3 14½	43 2	4 26 Clouds	Rigel. α Orionis.
5.	25	1 49	9 2 26	3 3	5 53	$\odot$ 1st L.
	51	4 2—	4 38½	5 16		$\odot$ 2d L.
		4 20	14 4 58			Arcturus.
		23 8	17 24 5:	24 41:	25 16:	α Ophiuchi.
6.	5 4	40½	9 Cloudy Clouds		9 44	$\odot$ 1st L.
						$\odot$ 2d L.
9.	45½	17 11½	9 17 48½	18 25½	19 2	$\odot$ 1st L. } The air undulated very much.
		19 23	19 59½	20 36½	21 13½	$\odot$ 2d L. }
10.	20 25	21 1	9 21 38 Clouds	24 27	25 3	$\odot$ 1st L.
						$\odot$ 2d L.
11.	23+	22 0	4 22 37	23 14	50½	Aldebaran.
	49+	58 40	59 30½	21+	12	Capella.
	13:	49	5 3 25	0½		Rigel.
	25+	42 1	42 36½	12½	48	α Orionis.
	Clouds		6	46 21	46 59	Jupiter's Center. 21 ^h 20' 20", 1 mean time.
12.	At 11 ^h Mane I examined the Transit, and found it just in every position.					
	35 17½		9 31 26+	Clouds		$\odot$ 2d L.
			22 36 31+	37 8	37 45	$\odot$ 2d L. 13 ^h 8' 33" mean time.
			44 50	45 31	46 12	Fomalhaut.
13.	Clouds	32 26::	9 33 2			$\odot$ 1st L. { Very hazy and cloudy.
	23 3	23 39:	17 24 15½	35 50½	26+	$\odot$ 2d L. }
	43	28	18 29 13+	24 52	25 28	α Ophiuchi.
	26½	22 3+	4 22 40	59—	44—	α Lyrae.
	53	43+	59 34	17	54—	Aldebaran.
	29	52	5 3 28	25	15½	Capella.
		4	42 40	4	40—	Rigel.
				16	51	α Orionis.
15.		31½	18 29 17—	2		α Lyrae.
	25	47—	19 35 23	59	34½	γ }
		1	39 36+	12½		α } Aquilae.
	52 29	28	44 4—	39+		β }
			53 41½	54 17½	54 54—	$\odot$ 2d L. 15 ^h 13' 26", 2 mean time.
16.	Clouds	Clouds	9 44 23			$\odot$ 1st L.
			46 34	47 10½	46½	$\odot$ 2d L.
17.	32	32	9 48 9			$\odot$ 1st L.
			50 20—	56½:	51 32+	$\odot$ 2d L.
19.	Clouds	Clouds	9	58 25½	56 37	$\odot$ 1st L. } Very hazy and cloudy.
	56 51				59 2—	$\odot$ 2d L. }
20.	58 14½	58 46+	9 59 23	Clouds	2 44+	$\odot$ 1st L.
	59:	35	10 1 33	49	26	$\odot$ 2d L.
	12	52 51	6 35 12½	Hazy	Clouds	Syrius. Very hazy. Undulated very much.
			53 30			Jupiter's Center. Very dubious.
21.	1 54	2 30	10 3 6½			$\odot$ 1st L. { Hazy.
	56+	41+	5 17—	5 53	29—	$\odot$ 2d L. }
	43	18	18 29 27			α Lyrae.
			5 42 54	30	5	α Orionis.
			57 54+:	58 36:	17::	$\odot$ 2d L. Very hazy. Scarce visible.
22.	5 37+	6 13+	10 6 49+			$\odot$ 1st L.
	6—	41½	9 0—	9 36	10 12+	$\odot$ 2d L.
	9	47—	13 13 17+	53	29	Spica Virginis. Hazy and faint.
		35	14 5 24½	2½	40	Arcturus.
			15 33 11	46		α Serpentis.
24.		13 39—	10 Cloudy			$\odot$ 1st L.
			16 24+	17 1—	36+	$\odot$ 2d L.
		22	4 22 59+	36		Aldebaran.
	11+	2	59 53—	43+		Capella.
25.	16 45	17 21:	10 17 56½			$\odot$ 1st L.
			20 6½	20 42½	21 18½	$\odot$ 2d L.
26.	At 11 ^h Mane I examined the Instruments, and found all their adjustments very right.					
		23 12+	10 21 38+	24 24½	Clouds	$\odot$ 1st L. } Hazy.
						$\odot$ 2d L. }
27.		24 44	10 25 20			$\odot$ 1st L.
			27 30	28 6	41½	$\odot$ 2d L.
	52	27½	5 43 3½	39+	14½	α Orionis.
	10	47—	6 35 23½		37+	Syrius.
28.	49	28 25	10 29 1			$\odot$ 1st L. Naked eye.

In SEPTEMBER MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H " "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
28.	4 18+	4 56	10 31 10½ 14 5 34	Clouds 6 12	6 49+	☉ 2d L. Naked eye. <i>Arcturus.</i>
30.			6 35 22			<i>Syrus.</i>
SEPT. 1.	At 10 ^h Mane I wound up the Clocks, and adjusted all the Instruments.					
3.	49 48 4 28+	50 24- 5 6-	10 50 59 53 8½ 14 5 44	53 44½ 6 21½	54 19½	☉ 1st L. ☉ 2d L. <i>Arcturus.</i>
8.		4 55-:	11 5 31: 7 40::	8 16-	8 51	☉ 1st L. ☉ 2d L. } Very dubious.
14.	29 42 10 59 19 14+ 26 52+ 30 38	30 18- 11 37 19 56 27 28-: 31 18 8 8	11 30 53 33 2 7 12 16- 20 38+ 28 4 31 57+ 9 8 42½	33 37+ Clouds 21 20½ 28 39+ 32 39	13 32 22 2 29 15- 33 19 9 56½	☉ 1st L. ☉ 2d L. <i>Jupiter's Center.</i> 19 ^h 32' 14", 9 mean time. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Venus's Center.</i> 21 ^h 28' 23", mean time.
15.	33 20	33 55+	11 34 31 36 39	37 15-	37 50	☉ 1st L. ☉ 2d L.
16.	23 57 54 51 35 2 39 16 43 43½ 10 54½	24 33½ 55 31-: 35 37½ 39 51½ 44 19 11 30½	17 25 10: 56 10+ 19 36 14 40 27½ 44 55 9 12 7-	Clouds 36 50 41 3½ 45 30½ Clouds	57 29½ 37 26 41 39 46 6	<i>α Ophiuchi.</i> <i>Mars's Center.</i> 6 ^h 10' 24", 9 mean time. γ } <i>α Aquilæ.</i> β } <i>Venus's Center.</i> 21 ^h 23' 51", 4 mean time.
17.	40 34½	41 9:	11 41 45½ Clouds	44 29:	45 4½	☉ 1st L. ☉ 2d L.
22.	58 40	59 16-	11 59 51 12 2 0	2 35+	3 11	☉ 1st L. ☉ 2d L.
23.	2 18	2 53+	12 3 29- 5 37+ 7 17 20 53- 32 13+ 9 27 10+	6 13½ 18 25 21 35+ 28 55 32 54	6 48½ 19 3 22 17+ 29 30 33 34 28 22+	☉ 1st L. ☉ 2d L. <i>Jupiter's Center.</i> 19 ^h 2' 6", 4 mean time. <i>Castor.</i> <i>Procyon.</i> <i>Pollux.</i> <i>Venus's Center.</i> 21 ^h 11' 8", 5 mean time.
24.	5 55½ 5 1 28 29-	31 5 38+ 34 29 5	12 7 7 9 15½ 14 6 16 17 18 30 20 9 29 41	9 51+ 6 54 25 59 31 5½	10 26½ 7 32 26 35 30 53	☉ 1st L. ☉ 2d L. <i>Arcturus.</i> <i>α Ophiuchi.</i> <i>α Lyrae.</i> <i>Venus's Center.</i> 21 ^h 7' 13", 1 mean time.
25.	Clouds 19 43 15 39 29+ 43 57-	10 9- 20 22+ 29 35½ 35 51 40 5 44 32	12 10 44 12 52½ 18 21 2+ 30 20½ 19 36 27+ 40 41 45 8+ 45 44	13 28+ 31 6+ 37 3+ 41 17 45 44	14 3½ 22 21½ 31 51 37 39 41 52+ 46 19	☉ 1st L. ☉ 2d L. <i>Mars's Center.</i> 5 ^h 59' 36", 2 mean time. <i>α Lyrae.</i> γ } <i>α Aquilæ.</i> β } At 12 ^h 45' 49" by the Regulator, the first Satellite of Jupiter immersed. Apparent Time 14 ^h 31' 49".
29.	24 5 35 20- 33½ 1+	24 40+ 35 55½ 40 9+ 44 37	12 25 16 27 25 19 36 31+ 40 45 45 12½	28 0+ 37 8 45 48+	28 35½ 37 43+ 46 23½	☉ 1st L. ☉ 2d L. γ } <i>α Aquilæ.</i> β }
OCT. 1.	At 11 ^h Mane I wound up the Clocks, and examined the Instruments.					
4.	35 23 39 36½ 44 4 33 16 6 45- 57 27+	35 58+ 40 12+ 44 39½ 34 6- 7 24- 58 3+	19 36 34 40 48+ 45 15½ 20 34 55+ 21 8 3- 9 58 39+	37 11 41 24+ 45 51+ 35 45+ 36 34½ 9 20	37 46½ 42 0 46 26+ 36 34½ 59 51+	☉ 1st L. ☉ 2d L. γ } <i>α Aquilæ.</i> β } <i>α Cygni.</i> ☉ 1st L. 8 ^h 10' 38", 4 mean time. <i>Venus's Center.</i> 20 ^h 59' 8", 9 mean time.
5.	45 57+ 48 27+ 39 38 44 6- 58 36	46 33- 49 7- 40 14- 44 41 59 12-:	12 47 9 49 18+ 18 49 46+ 19 36 36 40 50 45 17 21 59 51	49 54- 37 12 41 26+ 45 53	50 29+ 37 48 42 1 46 28 1 5	☉ 1st L. ☉ 2d L. <i>Mars's Center.</i> 5 ^h 48' 47", 2 mean time. γ } <i>α Aquilæ.</i> β } ☉ 1st L. 8 ^h 58' 20", 2 mean time.
6.	49 38	50 13½	12 50 49+			☉ 1st L.

In OCTOBER MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
6.			12 52 58½	53 39—	54 10+	☉ 2d L.
7.	54 19 35 26 39 40+ 44 8 32 42	39 46+ 54 58+ 36 2+ 40 15½ 44 43+	18 30 31½ 55 37½ 19 36 38 40 52 Clouds	16½ 37 14+ 41 27½	56 56+ 37 50 42 3½	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
9.	0 41: 2 51	Clouds Clouds	13 1 52 4 2½	4 38½	3 4 5 14	☉ 1st L. ☉ 2d L.
11.	Clouds 10 15½		13 11 36+ 11 36+	12 2½ 12 38+	10 27+ 12 38+	☉ 1st L. ☉ 2d L.
14.	At 11h Mane I examined this Instrument with the Spirit Level, and found it very just, as likewise the Meridian Mark.					
	19 13½ Clouds 6½ 22 25 33 5+	19 49: 38½ 50½: 23 1— 33 41	13 20 25½ 22 36: 20 6 14 23 37 21 34 17	23 12½ Clouds 16 19+ 24 13+ 34 53	23 48 7 50+ 17 3 24 49 35 29	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
15.	23 58	Clouds 29 51+	13 24 10 26 21 18 30 37	26 57 31 22½	27 32+	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
17.	56 17+	56 53	9 57 29½	58 5+:		☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
18.	55 58 17+	53½	8 57 15½ 9 57 30	57 53—: 58 6+	58 33 42½	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
19.	38 1— 4	38 36½ 10 21—	13 39 13 41 24½ 19 36 46 41 0	42 0½ 37 22 41 35½	42 36½ 58 42 11	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
20.	Clouds 53 23+ 19+ 41 18 53 49	44 36 52 53 58½ 55+ 54 25—	13 45 12½ 19 45 28 20 54 34½ 9 57 32 10 42 31½ 55 0+	45 48½ 3½: 55 10: 58 8½ 43 8½	24 55 45½ 58 45— 43 45 56 12—	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
21.		46 13—	13 46 49 49 1+	49 37½	50 14—	☉ 1st L. ☉ 2d L.
23.	Clouds 19½ 55½ 28 9+	Clouds 14 28 55+ 37½ 28 46½:	13 54 28 19 36 50+ 41 4 45 31 7 21 19½ 29 26::	57 17: 41 39½ 6:: 22 2— Clouds	1 5— 42 43	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
24.	Clouds Clouds Clouds 52 44 50	57 41 3½ Clouds 27½ 45 28½	13 Cloudy Clouds 14 6 41½ 19 41 4— 46 7½	1 7— 7 19½ 37 26	1 43 7 57 15: 47 25	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
26.	4 46+	5 22+	14 5 59 8 11½:	8 49—	25—	☉ 1st L. ☉ 2d L.
27.	38+ 52 20 53 48	36 14 40 28 44 55+ 54 26+	19 36 50+ 41 4+ 45 31+ 55 5	37 26 41 40+ 46 7	2 15½ 42+ 56 22	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
28.	12 30½	13 7—	14 13 43 15 57—	16 33½	17 9½	☉ 1st L. ☉ 2d L.
31.	24 11— 49 32	24 47 34 20 50 11 10 15	14 25 24+ 27 38½ 20 35 10 50 50½ 3 10 52	28 15+ 36 0—	28 52— 49 5:	☉ 1st L. ☉ 2d L. ☉ 1st L. 10h 24' 12", 8 mean time.
Nov. 1.	At 11h Mane I wound up the Clocks. I likewise stopped N. 2' 1". I likewise examined the Transit Instrument, and adjusted it in every circumstance very exact. N. Q. 0' 1".					
	26 4+	26 41	14 27 17½ 29 32	30 9—	30 45+	☉ 1st L. ☉ 2d L.
4.	Clouds	38 31½	14 39 8 41 23:	42 0½		☉ 1st L. ☉ 2d L.

In NOVEMBER MDCC LXIV.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
4.	35 49 17- 41 3 29 15 37 1 3	11- 25 52+ 16½ 3 41: 4 5½ 16 15 1 39	13 34 47 19 39 1- 43 28 58 52: 20 4 18+ 4 42 16 53+ 0 2 15	23+ 39 36½ 4 59 28 4 55- 5 18+ 17 32-	59 12 39 3 5 30½ 5 54+ 18 10-	γ } <i>Aquile.</i> α } β } δ } 1 α } <i>Capricorni.</i> 2 α } Mars's Center. 5 ^h 19' 31", 1 mean time. 1st L. 9 ^h 4' 15", 6 mean time.
5.	54-	42 30½	14 43 7½ 45 22½	46 0	46 36½	☉ 1st L. ☉ 2d L. Saturn's Center. 12 ^h 00' 13", 9 mean time.
6.			3 6 35+			Saturn's Center. 12 ^h 00' 13", 9 mean time.
10.	19+ 0½ 38½ 51 42½ 25½ 52	11 39½ 35½ 17 24 32	3 26 3 4 22 12½ 53 4+ 59 37½ 5 3 0 11 12½ 19 45+ 25 2+ 28 39+ 42 12	55 34 57 49 53 45+ 58 36 52	47 36½ 23 26½ 54 25½ 49 11½ 32½	δ <i>Persei.</i> η <i>Pleiadum.</i> Aldebaran. 1st L. 13 ^h 30' 40" mean time. Capella. Rigel. β <i>Tauri.</i> δ } ε } <i>Orionis.</i> ζ } α }
At 6 ^h 3' 53", the first Satellite of Jupiter immersed. Observed with the six foot Reflector. Apparent Time 14 ^h 57' 11".						
12.	18½	38 27- 54+	19 34 49 43 30-	39 39 5+	36 1+ 40 14+ 40½	γ } <i>Aquile.</i> α } β }
13.	15½		15 15 30+ 17 47½	25	19 2	☉ 1st L. ☉ 2d L.
15.	22 30	23 6+	15 23 44 26 2	Clouds	Clouds	☉ 1st L. ☉ 2d L.
16.	26 37-	27 14-	15 27 51+ 30 10-	30 47	31 24+	☉ 1st L. ☉ 2d L.
18.	34 54+	35 32-	15 36 9½ 38 28+	39 6-	43½	☉ 1st L. ☉ 2d L.
29.	21 19½ 12 53	21 57+ 38 58* 13 30	16 22 36- 24 57 19 34 34+ 38 48 22 14 8	25 35+ 39 24	26 13+ 15 23	☉ 1st L. ☉ 2d L. γ } <i>Aquile.</i> α } 1st L. 5 ^h 38' 21", 1 mean time.
30.	25 37	26 15	16 26 53 29 14	29 52	30 30	☉ 1st L. ☉ 2d L.
DEC. 3.	7+ 57 2½	57 39	21 41 21- 53 6 2 58 15+		42 34+	Mars's Center. 4 ^h 50' 1", 1 mean time. α <i>Aquarii.</i> Saturn's Center. 10 ^h 6' 3", 7 mean time.
6.	37 57	38 37+ 22 5½	3 39 17 47 2 4 3 48 21 48+ 5 2 35½ 10 48½ 19 21 23 38 28 15 41 48 13 12 8- 14 4 15	25	40 36+ 2	1st L. 10 ^h 35' 15", 9 mean time. η <i>Tauri.</i> δ <i>Eridani.</i> Aldebaran. Rigel. β <i>Tauri.</i> δ } ε } <i>Orionis.</i> ζ } α } Spica Virginis. Arcturus.
7.		21 10 10½	16 57 11+ 59 33½ 4 21 47 58 42 5 2 34 41 46	0 12+ 22 24 22½	0 50+	☉ 1st L. ☉ 2d L. Aldebaran. Capella. Rigel. α <i>Orionis.</i>
8.		0 54½	17 1 33+ 3 55+	4 34	5 12	☉ 1st L. ☉ 2d L.
16.		21 5½ 46 2	4 22 42½ 58 37½ 5 10 42½ 19 15½ 23 32½ 28 9½	23 19½ 59 29 11 23		Aldebaran. Capella. β <i>Tauri.</i> δ } ε } <i>Orionis.</i> ζ }

In DECEMBER MDCC LXIV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☉ 16.		6½	5 41 42+	18		α Orionis.
☽ 17.	39 58½	40 37+	17 41 16 43 39-	44 17	44 56	☉ 1st L. ☉ 2d L.
☽ 24.	11 3+		18 12 21 14 44 2 53 23 4 21 39 58 35 5 10 40 19 12½ 23 30 28 6+	15 23- 16½	16 1 54 36	☉ 1st L. ☉ 2d L. Saturn's Center. 8 ^h 38' 52", 1 mean time. Aldebaran. Capella. β Tauri. δ } Orionis. ε } ζ } Sirius. Jupiter's Center. 12 ^h 57' 54" mean time. Castor. Procyon.
☽ 29.	15	33 53	18 34 32 36 54½ 23 55 27 0 0 20 0 14 22	37 33+ 7+ 0 56+	12-	☉ 1st L. ☉ 2d L. α Andromedæ. γ Pegasi. ☽ 1st L. 5 ^h 40' 38", 3 mean time.
☉ 30.		38 20	18 38 59 Cloudy 2 49 15- 52 34	42 0 49 50:: 53 10½		☉ 1st L. ☉ 2d L. α Ceti. Saturn's Center. 8 ^h 14' 26", 1 mean time.
☽ 31.	42 9+	47½	18 43 26+ 45 49+ 22 59 10 23 55 31+ 0 0 24 44 48 1 44 36 2 52 29 4 21 44 58 39:	46 28 11+ 1 0½ 2 19 7- 22 21	6+ 0 21 50 43	☉ 1st L. ☉ 2d L. Mars's Center. 4 ^h 17' 42", 4 mean time. α Andromedæ. γ Pegasi. Pole *; above. ☽ 1st L. 7 ^h 2' 40", 9 mean time. Saturn's Center. 8 ^h 10' 23", 2 mean time. Aldebaran. Capella.

In JANUARY MDCC LXV.

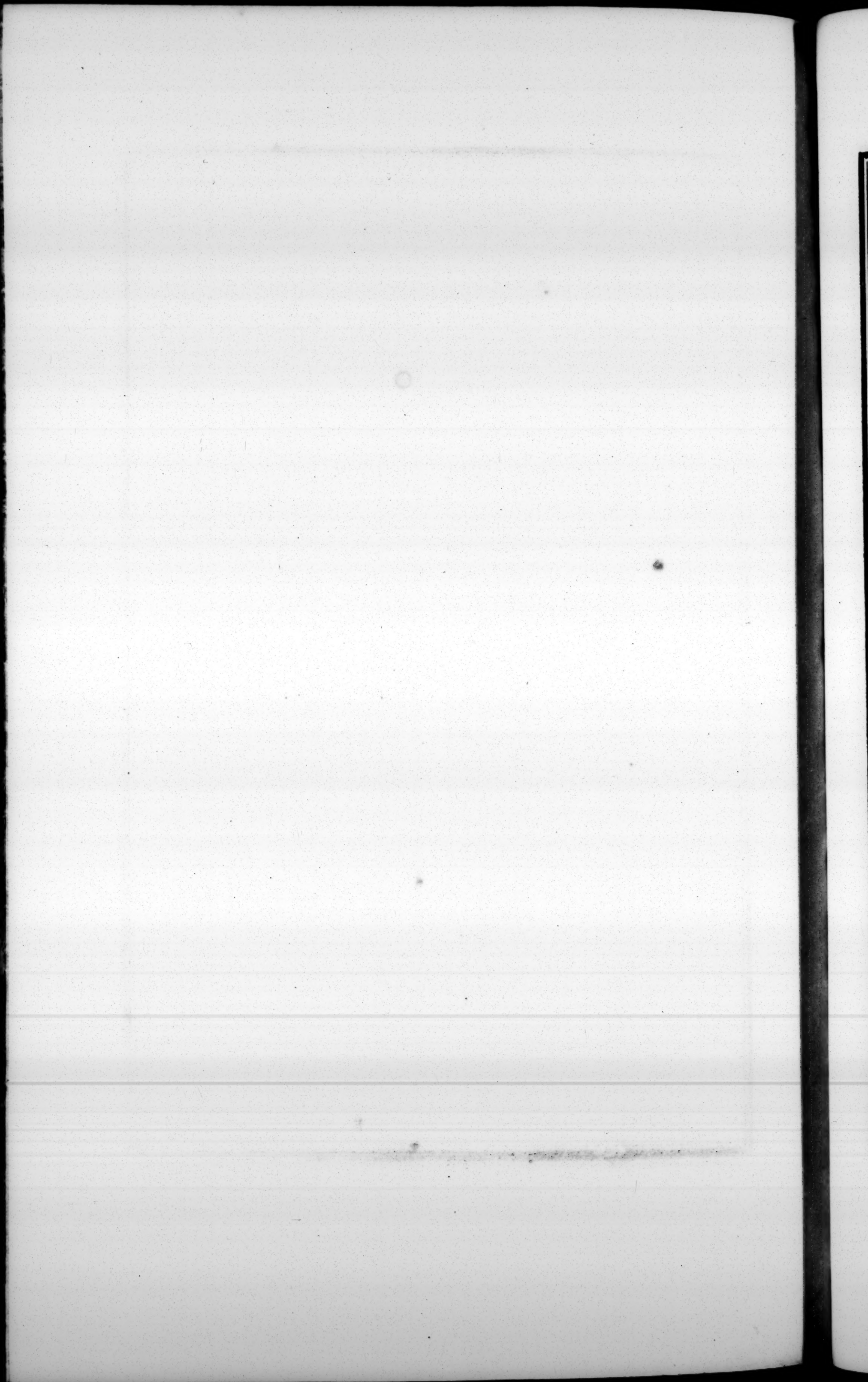
DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
☽ JAN. 1.	At 11 ^h Mane I wound up the Clocks, and examined the Instruments.					
☽ 16.	52 13	52 51	19 53 29 55 49	56 27½	57 5½	☉ 1st L. ☉ 2d L.
☽ 17.	Clouds		2 51 56	Clouds		Saturn's Center. 7 ^h 8' 37", 1 mean time.
☉ 20.		57 43 18 34 29 15½	6 58 21+ 7 19 16 30 36	19 58	Clouds 31 56½	Jupiter's Center. 10 ^h 56' 32" mean time. Castor. Pollux.
☽ 26.	51 16	51 52+	1 53 43+ 2 52 29		53 42	α Arietis. Saturn's Center. 6 ^h 27' 39", 5 mean time.
☽ 28.	Clouds	41 31	20 44 8+ 46 26	47 3+	41-	☉ 1st L. ☉ 2d L. { A little hazy.
☉ FEB. 3.		Clouds	21 8 45 11 2-:: 4 59 20 5 3 11+ 15 56½ 24 14 28 50½ 6 34 44 52 1 7 19 31½ 26 56	38 10 47 32 50- 26 21 13½ 32	12 15- 58 55½ 7	☉ 1st L. ☉ 2d L. Capella. Rigel. δ } Tauri. ε } ζ } Sirius. Jupiter's Center. 9 ^h 54' 54", 2 mean time. Castor. Procyon.

In FEBRUARY MDCC LXV.

DAY of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
3.	31 6	11 46	7 30 51½ 36 27—	32 7½	12 47+	<i>Pollux.</i> 1st L. 10h 39' 12", 4 mean time. At 9h 58' 54" by this Clock, the second Satellite of Jupiter emerged. Very clear and distinct. Apparent Time 12h 46' 51".
4.	18½ 19½	32 54+ 55	0 33 30 45 12 2 53 40— 12 31	34 41 6 54 53 41½	34 41 54 53 41½	<i>Mars's</i> Center. 3h 33' 28", 2 mean time. <i>Pole</i> *; above. With the six foot Reflector, at 2h 39' 33", the 4th Satellite of Jupiter immersed. Apparent Time 5h 24' 41". <i>Saturn's</i> Center. 5h 53' 14", 8 mean time. With the six foot Reflector, at 5h 56' 53", γ Cancri immersed behind the Moon. Apparent Time 8h 41' 27". With Mr. Bird's two foot Reflector, at 6h 29' 40", the 4th Satellite of Jupiter emerged. App. Time 9h 14' 9". With the six foot Reflector, at 7h 16' 20", γ Cancri emerged. Apparent Time 10h 0' 41". <i>Procyon.</i> <i>Pollux.</i>
12.	43 34+	44 10+	21 44 47 47 1+	47 38	48 14+	1st L. 2d L.
13.		48 6½	21 48 43 50 57	51 33½	10	1st L. 2d L.
17.	7+	3 43	22 4 19½ 6 32½	7 9	7 45+	1st L. 2d L.
18.	32 59 21	8½ 49 57	4 22 45½ 59 41— 5 3 33 20 19½ 24 35½ 29 12½ 42 46 6 35 6 47 41	22½ 31½ 9	59 22 45	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> δ <i>Tauri.</i> ϵ } <i>Orionis.</i> ζ } α } <i>Syrus.</i> <i>Jupiter's</i> Center. 8h 51' 14", 2 mean time.
19.	23+ 36	59 11+	4 22 47½ 59 43 5 3 35 42 47+	24 34— 11 23+	1 24 46½ 59	<i>Aldebaran.</i> <i>Capella.</i> <i>Rigel.</i> α <i>Orionis.</i> With the six foot Reflector, at 12h 2' 6" by this Clock, the first Satellite of Jupiter emerged. Apparent Time 13h 46' 42".
20.	22 26+	23 2+	22 18 11—	18 46+	19 22	1st L. } Very hazy. 2d L. }
24.	30 3—	30 39—	22 31 15— 33 26½	34 3	34 39—	1st L. 2d L.
26.	37 38	38 14	22 38 50 41 1½	41 37+	42 13+	1st L. 2d L.
MAR. I. At 10h Mane I wound up the Clocks, and examined the Instruments, and found them exact.						
2.	52 44+ 21 49 39 42½ 25 42 6½ 11 26+	53 20— 22 26 14 22½ 0½ 17½ 53½ 29 44½ 12 7	22 53 55½ 56 6½ 4 23 3 5 3 50½ 12 3 20 36 24 53 29 29 43 4 6 46 23½ 7 12 48—	43 40 26½ 43½ 11½ 28½ 5½ 39 2	18½ 17 1 23½ 47 4 14 40½ 9½	1st L. 2d L. <i>Aldebaran.</i> <i>Rigel.</i> β <i>Tauri.</i> δ } <i>Orionis.</i> ϵ } ζ } α } <i>Jupiter's</i> Center. 8h 2' 28", 6 mean time. 1st L. 8h 28' 48", 4 mean time.
3.	56 29+	57 5	22 57 41— 59 52—	27+	2½	1st L. 2d L.
7.	36 1	36 37	11 37 13½	37 50	38 26	2d L. 12h 32' 45", 8 mean time. With the six foot Reflector, at 11h 58' 5", the second Satellite of Jupiter emerged from behind the first Satellite.
8.		21 33	23 22 9	22 45		1st L. Very hazy.
14.	14	37 49	23 38 24½ 40 34½	41 10	41 45½	1st L. } Very windy. 2d L. }
15.	54½	41 30	23 42 5½ 44 15+	44 50½	26	1st L. } Very windy. 2d L. }



OBSERVED MERIDIONAL DISTANCES
OF THE
FIXED STARS AND PLANETS
FROM THE
ZENITH.



MERIDIONAL DISTANCES

OF THE

SUN, PLANETS,

AND

FIXED STARS,

FROM THE

ZENITH, SOUTHWARD.

In AUGUST MDCCLXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.				S.
♂ AUG. 24.	☉ Lower L.	43	5	15	11	40	39	47				29, 94		66
	☉ Upper L.	42	12	15	2	40	8	1	40	8	0			
♂ 26.	Jupiter's Center.	40	2	12	7	37	39	47	37	39	47	29, 83		51
♂ 28.	☉ Upper L.	44	4	12	0	41	31	42				29, 76		56
	☉ Lower L.	44	13	13	0	42	3	33	42	3	33			
	Venus's Center. *2.	60	10	12	9	56	52	57	56	53*	56	29, 75		60
☉ 29.	☉ Upper L.	44	10	13	1	41	53	2				29, 84		60
	☉ Lower L.	45	3	14	0	42	24	52	42	24	55			
	Saturn's Center.	47	9	2	3	44	35	53	44	35	54	29, 88		51
	ξ Ceti. 1 ^a . ad.	46	10	7	10	43	44	22	43	44	23			
	Jupiter's Center.	40	2	13	3	37	39	56	37	39	54			
	Syrius.	72	5	13	6	67	50	32	67	50	32	29, 91		57
♂ 30.	☉ Lower L.	45	9	15	10	42	46	21				29, 92		60
	☉ Upper L.	45	0	15	0	42	14	34	42	14	36			
	♂ Lower L.	83	4	3	5	78	3	33	78	3	36	29, 91		54
♂ 31.	☉ Upper L.	45	7	1	4	42	36	9				29, 87		62
	☉ Lower L.	46	0	2	0	43	7	56	43	7	56			
	♂ Lower L.	80	1	1	6	75	3	50	75	3	51	29, 86		50
♂ SEPT. 1.	☉ Lower L.	46	6	5	3	43	29	45				29, 92		66
	♂ Capricorni.	73	3	4	5	68	37	46	68	37	46	30, 03		50
	♂ Lower L.	75	13	2	3	71	4	57	71	4	54+			
	Jupiter's Center.	40	3	0	10	37	40	43	37	40	44	30, 12		45
♂ 2.	☉ Upper L.	46	3	7	10	43	19	45				30, 06		59
	☉ Lower L.	46	12	8	14	43	51	41	43	51	39			
☉ 5.	☉ Lower L.	47	15	7	0	44	58	1				29, 55		65
	☉ Upper L.	47	6	6	0	44	26	10	44	26	9			
	♂ Upper L.	52	4	8	10	49	00	59	49	0	57	29, 60		55
♂ 7.	♂ Upper L.	40	2	6	0	37	38	21	37	38	19	30, 04		50
	Jupiter's Center. 2.	39	3	15	11	36	47	47	37	44	0			
♂ 8.	☉ Lower L.	49	2	9	13	46	5	28				30, 04		63

In SEPTEMBER MDCC LXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.			By the exterior Divif. reduced.			By the interior Divisions.				Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
8.	☉ Upper L.	48	9	8	9	45	33	33	45	33	33			
11.	☉ Upper L.	49	12	15	10	46	41	54				29, 89		63
	☉ Lower L.	50	6	0	10	47	13	46	47	13	46			
	☉ Upper L. dubious.	25	5	11	0	23	46	15	23	46	15	29, 81		52
12.	☉ Lower L. Very faint.	26	5	14	8	24	43	17	24	43	15	29, 95		51
13.	☉ Lower L.	51	3	2	9	47	59	53				29, 95		61
	☉ Upper L.	50	10	0	8	47	27	47	47	27	48			
14.	☉ Upper L.	51	0	9	6	47	50	50				29, 8		63
	☉ Lower L.	51	9	11	2	48	22	51	48	22	50			
	Venus's Center.	69	8	6	8	65	10	50	65	10	49	29, 78		61
15.	☉ Lower L. { Naked eye.	52	0	4	0	48	45	53				29, 62		66
	☉ Upper L. {	51	7	3	1	48	14	2	48	14	2			
16.	Jupiter's Center.	40	6	7	2	37	52	40	37	52	42	29, 83		47
17.	☉ Upper L.	52	4	5	9	49	0	19				29, 83		57½
	☉ Lower L.	52	13	7	6	49	32	21	49	32	22			
	Venus's Center.	70	15	5	11	66	31	31	66	31	33	29, 82		61
18.	☉ Lower L. { Very hazy.	53	4	1	5	49	55	37				29, 84		60
	☉ Upper L. {	52	11	0	5	49	23	45	49	23	48			
	Saturn's Center.	48	0	13	4	45	2	55	45	2	52	29, 88		44
21.	☉ Upper L. { Very hazy.	53	14	15	0	50	33	46				29, 83		61
	☉ Lower L. {	54	8	0	4	51	5	42						
22.	☉ Lower L. { A little hazy.	54	14	10	11	51	29	6				29, 64		60½
	☉ Upper L. {	54	5	9	10	50	57	13	50	57	14			
24.	☉ Upper L.	85	2	2	5	79	48	48				29, 2		55
25.	☉ Upper L.	55	9	9	6	52	7	28				29, 54		58½
	☉ Lower L.	56	2	11	3	52	39	30	52	39	30			
	Venus's Center.	74	8	6	7	69	52	4	69	52	3			
	☉ Lower L.	85	11	10	3	80	22	10	80	22	10	29, 68		53½
26.	☉ Upper L.	56	0	4	2	52	30	55				29, 80		62½
	☉ Lower L.	56	9	6	1	53	2	58½	53	2	58			
28.	☉ Lower L.	77	7	14	1	72	38	57	74	38	56	29, 93		63
29.	☉ Lower L. Naked eye. ☉	57	13	6	0	57	13	16				29, 93		69½
	Venus's Center.	76	2	3	11	71	22	52	71	22	51	29, 91		68
30.	☉ Upper L.	57	10	14	0	54	4	29				29, 93		65
	☉ Lower L.	58	4	0	0	54	36	34	54	36	34			
OCT. 4.	Saturn's Center.	48	8	9	0	45	30	6	45	30	6	29, 78		40
	☉ Upper L.	41	14	2	10	39	16	4	39	16	4			
	Jupiter's Center.	40	15	2	7	38	23	17	38	23	17			
5.	Jupiter's Center.	40	15	12	7	38	25	29	38	25	28	29, 72		40
6.	☉ Upper L.	60	2	7	12	56	23	46				29, 76		50
	☉ Lower L.	60	11	10	3	56	55	55	56	55	55			
	Venus's Center.	78	10	4	6	73	43	38	73	43	38	29, 77		49
7.	Venus's Center.	78	15	6	10	74	1	43	74	1	45	29, 80		49
	Saturn's Center.	48	10	1	0	45	35	23	45	35	24	29, 78		40
8.	☉ Lower L.	61	8	11	3	57	41	51				29, 72		47
	☉ Upper L.	60	15	9	2	57	9	45	57	9	44			
	Venus's Center. Very hazy.	79	4	7	0	74	19	21	74	19	21	29, 68		48
9.	☉ Upper L.	61	6	1	0	57	32	34				29, 52		52
	☉ Lower L.	61	15	3	11	58	4	50	58	4	48			
11.	Saturn's Center.	48	12	1	5	45	42	29	45	42	29	29, 84		39
	Jupiter's Center.	41	3	10	8	38	39	8	38	39	8	29, 85		39
12.	☉ Lower L.	63	2	9	7	59	12	53				29, 88		47
	☉ Upper L.	62	9	7	2	58	40	43	58	40	42			
	Venus's Center.	80	6	14	0	75	24	10	75	24	11	29, 86		49
13.	☉ Upper L.	62	15	13	11	59	3	34				29, 85		49
	☉ Lower L.	63	9	0	7	59	35	30	59	35	30			
	Venus's Center.	80	11	1	8	75	39	2	75	39	0	29, 83		51
14.	Saturn's Center.	48	13	10	1	45	47	55	45	47	55	29, 77		43
17.	☉ Upper L.	64	9	2	1	60	32	5,8				29, 83		45
	☉ Lower L.	65	2	4	11	61	4	20,6						
	Saturn's Center.	48	15	1	10	45	53	7,2				29, 83		35
23.	☉ Lower L. Very hazy.	85	1	10	8	79	47	6	79	47	6	29, 15		51
25.	☉ Lower L. Very hazy.	68	2	15	2	63	55	21,6				28, 95		51
26.	☉ Lower L.	74	10	4	0	69	58	32	69	58	31	29, 17		40
	Saturn's Center.	49	3	7	4	46	8	24	46	8	24	29, 28		37

In NOVEMBER MDCC LXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♂ 26.	Jupiter's Center.	41	14	7	8	39	17	8	39	17	7	29, 32		37
♀ 27.	☉ Lower L.	68	14	9	3	64	36	14				29, 53		47
	☉ Upper L.	68	5	6	3	64	3	57	64	3	55			
	♃ Lower L.	69	5	8	11	65	0	46	65	0	46	29, 63		33
♂ 28.	Venus's Center.	83	5	12	8	78	9	6	78	9	6	29, 70		37
	♃ Lower L.	63	8	3	0	59	32	32	59	32	32	29, 70		33
♀ 29.	♏ Aquilæ.	46	1	5	10	43	12	17	43	12	16	29, 38		38
♂ 30.	☉ Upper L.	69	6	7	0	65	3	53				29, 62		45
	☉ Lower L.	69	15	9	12	65	36	10	65	36	10			
	Venus's Center.	83	8	7	10	78	18	34,8				29, 65		45
☉ 31.	♃ Lower L.	44	10	11	8	41	52	42	41	52	40	30, 08		38
♂ NOV. 1.	Saturn's Center.	49	6	2	2	46	17	49	46	17	49	30, 05		35
	Jupiter's Center.	42	2	14	10	39	32	47	39	32	45			
	♃ Lower L.	38	11	8	2	36	17	58				30, 03		35
	♃ Upper L.	38	2	9	10	35	46	41	35	46	40			
♂ 2.	☉ Lower L.	71	0	1	5	66	34	3				29, 98		42
	☉ Upper L.	70	6	14	0	66	1	40	61	1	40			
	Venus's Center.	83	11	3	0	78	28	5	78	28	5	29, 95		45
♀ 3.	Saturn's Center.	49	6	15	11	46	20	49	46	20	49	29, 98		42
	Jupiter's Center.	42	4	6	1	39	37	54	39	37	50	29, 98		42
	♃ Upper L.	28	10	13	8	26	53	8,8	26	53	8	29, 99		39
	♏ Tauri.	32	4	0	12	30	14	16	30	14	15	29, 99		39
	♏ Orionis.	46	2	13	6	43	17	29	43	17	27	29, 99		39
♂ 6.	☉ Upper L.	71	11	13	9	67	15	26				30, 20		43
	☉ Lower L.	72	5	1	4	67	47	52	67	47	52			
♂ 9.	☉ Upper L.	72	10	13	5	68	8	6				29, 47		49
	☉ Lower L.	73	4	0	8	68	40	27	68	40	28			
	Venus's Center.	83	11	7	10	78	29	8	78	29	8	29, 48		48
	Saturn's Center.	49	9	5	6	46	29	5	46	29	6	29, 51		41
	Jupiter's Center.	42	8	10	6	39	52	55	39	52	53			
♀ 12.	☉ Upper L.	73	9	0	0	68	57	53,4				29, 42		35
	☉ Lower L.	74	2	3	10	69	30	21						
	Venus's Center.	83	9	1	6	78	20	42,6				29, 41		36
♂ 13.	☉ Lower L.	74	6	12	2	69	46	15,8				29, 15		32
	☉ Upper L.	73	13	9	3	69	13	58,8						
☉ 14.	Jupiter's Center.	42	11	15	8	40	4	36,1				29, 59		31
♂ 15.	☉ Upper L.	74	6	6	5	69	45	0				29, 90		34
	☉ Lower L.	74	15	9	10	70	17	23	70	17	23			
	Venus's Center.	83	5	4	5	78	7	17	78	7	18	29, 98		34
♂ 16.	☉ Lower L.	75	3	14	5	70	32	27				30, 36		34
	☉ Upper L.	74	10	10	9	70	0	0	70	0	0			
	Jupiter's Center. Uncertain.	42	13	4	2	40	9	6,9				30, 41½		30
♀ 17.	☉ Upper L.	74	14	14	0	70	14	48				30, 35		35
	☉ Lower L.	75	8	1	6	70	47	12	70	47	14			
☉ 21.	♃ Lower L.	80	11	15	13	75	42	11				30, 15		32
	Jupiter's Center.	43	0	3	3	40	19	27,6				30, 13		29
♂ 23.	Venus's Center.	82	5	0	0	77	10	5	77	10	6	29, 79		37
	♃ Lower L.	71	8	7	5	67	3	30	67	3	28	29, 77		33
♂ 25.	♃ Lower L.	59	14	4	8	56	8	58,9				29, 32		38
♂ DEC. 14.	N. B. This Thermometer stands ½ a Division lower than Mr. Bird's.													
	☉ Lower L.	79	15	3	6	74	57	15				30, 29		39½
	☉ Upper L.	79	5	15	8	74	24	45	74	24	45			
♂ 20.	☉ Lower L.	80	2	10	5	75	9	19				29, 0	36-	32-
	☉ Upper L.	79	9	6	3	74	36	46	74	36	45			
	Venus's Center.	76	6	9	9	71	38	13	71	38	14	29, 89	36	32½
	♃ Lower L.	73	8	3	6	68	55	8	68	55	8	29, 89	36-	31+
♀ 22.	♃ Lower L.	62	4	2	1	58	22	1	58	22	0	29, 87	41	41
♂ 23.	☉ Upper L.	79	9	5	5	74	36	34				30, 15	42+	43-
	☉ Lower L.	80	2	9	5	75	9	6	75	9	6½			
	Venus's Center.	75	11	7	10	70	59	8	70	59	7	30, 18	43-	43-
	♃ Lower L.	56	2	4	10	52	38	5	52	38	4	30, 25	41+	38½
	Saturn's Center.	49	15	10	10	46	51	20,9	46	51	20	30, 25	41+	38½
	Jupiter's Center.	43	9	2	3	40	50	53	40	50	52	30, 26	40	37
♂ 25.	☉ Lower L.	80	1	13	8	75	6	30				30, 20	37	32½
	☉ Upper L.	79	8	9	2	74	33	53	74	33	52			
	Venus's Center.	75	4	4	5	70	33	46	70	33	44	30, 17	38-	32-
	Saturn's Center.	49	15	6	9	46	50	27,2	46	50	25			

In DECEMBER MDCCCLXII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.				S.
											Inches.	Deg.	Deg.	
h 25.	Lower L. <i>Jupiter's</i> Center.	43	12	14	12	41	4	13	41	4	14	30, 15	37—	30½
		43	8	15	11	40	50	21	40	50	21			
o 26.	Upper L. { Hazy. Lower L. { <i>Saturn's</i> Center. <i>Jupiter's</i> Center. Lower L.	79	8	0	5	74	31	58				30, 12	36	34+
		80	1	4	0	75	4	24	75	4	25			
		49	15	4	9	46	50	0,8	46	50	0	30, 12	35	29
		43	8	15	0	40	5	10,3	40	50	9	30, 12	35	29
		38	0	3	0	35	38	9,6	35	38	12	30, 12	35	29
d 27.	Lower L. Hazy. Lower L.	80	0	8	10	75	1	55	75	1	58	30, 22	35	30½
		32	14	0	0	30	49	13				30, 21	33	26½
δ 28.	Upper L. Lower L.	79	6	7	8	74	26	21				30, 07	32	27
		79	15	11	10	74	59	4	74	59	6			

In JANUARY MDCCCLXIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES						BARO- METER	THERMO- METER.					
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.		Inches.	Deg.	Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.		S.	D.				M.
○ JAN. 2.	<i>Saturn's</i> Center.	49	13	15	8	46	45	23	46	45	25	29, 91 29, 89	32 30	30— 24½
	<i>Jupiter's</i> Center.	43	7	11	8	40	45	55	40	45	53			
	Lower L.	37	2	4	2	34	49	11,6						
4 6.	○ Upper L.	78	9	2	1	73	39	36				29, 90 29, 90 29, 92	30 31 31	28½ 27½ 27½
	○ Lower L.	79	2	6	3	74	12	9	74	12	8			
	<i>Saturn's</i> Center.	49	12	15	2	46	56	44	46	56	42			
	<i>Jupiter's</i> Center.	43	6	9	9	40	41	58	40	41	59			
♀ 14.	○ Upper L.	77	4	11	4	72	27	48				29, 95 29, 95	30 30	27½ 26½
	○ Lower L.	77	13	15	1	73	0	16	73	0	16			
	<i>Saturn's</i> Center.	49	10	6	2	46	32	46	46	32	46			
	<i>Jupiter's</i> Center.	43	3	7	2	40	30	52	40	30	54			
h 15.	<i>Saturn's</i> Center.	49	10	0	3	46	31	27	46	31	26	30, 03 29, 93	30+	30+
	<i>Jupiter's</i> Center.	43	2	15	4	40	29	9	40	29	10			
	<i>Venus's</i> Center. Faint.	71	13	0	3	67	19	30	67	19	30			
○ 16.	○ Lower L.	77	7	10	10	72	38	13				29, 93 29, 91 29, 94	31 31 31	31½ 29½ 28½
	○ Upper L.	76	14	6	5	72	5	37	72	5	39			
	<i>Saturn's</i> Center.	49	9	10	2	46	30	7	46	30	6			
	<i>Jupiter's</i> Center.	43	2	7	6½	40	27	25	40	27	23			
h 17.	○ Lower L. } A little hazy.	77	4	5	2	72	26	27				29, 81 29, 79 29, 77 29, 78	30 31 31 31	27+ 31— 28 27
	○ Upper L. }	76	11	1	5	71	53	59	71	53	58			
	Center, by estimation.	69	12	10	7	65	25	45	65	25	48			
	<i>Saturn's</i> Center.	49	9	3	9	46	28	42	46	28	44			
	<i>Jupiter's</i> Center.	43	1	15	0	40	25	34	40	25	34			
○ 23.	Lower L.	34	14	7	0	32	43	15	32	43	15	29, 78 29, 97	31½ 32¼	30½ 34½
h 24.	○ Lower L.	75	10	2	4	70	54	25						
	○ Upper L.	75	0	12	6	70	21	29	70	20	33			
4 27.	○ Upper L.	74	4	0	5	69	36	39				29, 95 28, 86	31 31	30 28½
	○ Lower L.	74	13	4	7	70	9	12	70	9	11			
	Lower L.	25	13	11	8	24	14	30	24	14	29			
	<i>Pollux</i> .	24	6	11	3	22	53	33,6						
♂ FEB. 1.	Lower L.	55	14	6	10	52	24	27,2				29, 17 29, 17 29, 37	41 44 41	40½ 43 38
4 3.	<i>Jupiter's</i> Center.	42	6	12	0	39	46	14	39	46	14			
	Lower L.	70	4	15	3	65	54	55	65	54	55			
h 7.	○ Upper L.	70	14	4	7	66	27	43				29, 31 28, 91	41 45	44½ 47
	○ Lower L.	71	7	8	0	67	00	7	67	00	8			
♀ 11.	○ Lower L.	70	1	9	10	65	43	10						
	○ Upper L.	69	8	6	6	65	10	48	65	10	46			
h 14.	○ Upper L. } Fluttering.	68	7	3	5	64	10	21				29, 95	37	29½
	○ Lower L. }	69	0	7	0	64	42	47	64	42	48			

In MARCH MDCCCLXIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
h 19.	☉ Lower L. } A little hazy. ☉ Upper L. } Jupiter's Center.	67	2	12	0	62	58	25	62	25	58	29, 87	45½	44+
		66	9	8	4	62	25	58	62	25	58	29, 81	46	47
		41	8	10	5	38	56	39	38	56	38			
☉ 20.	☾ Lower L.	31	13	12	70	20	52	12, 4	20	52	12	29, 39	49	48½
☾ 21.	☉ Upper L. ☉ Lower L.	65	13	4	12	61	43	2	62	15	23	29, 61	49	49
		66	6	8	2	62	15	23	62	15	25			
♀ 23.	☾ Upper L. ☿ Venus's Center.	25	0	10	10	23	28	36, 8	23	28	25	29, 70	47	42
		72	10	11	8	68	7	42	63	7	43	29, 85	39	39
♀ 25.	☉ Lower L. ☉ Upper L. ☾ Upper L.	64	13	7	6	60	47	21	60	14	58	29, 65	46	45½
		64	4	4	1	60	14	58	60	14	58			
		30	12	4	5	28	50	39				29, 41	45	44
☉ 27.	☉ Upper L. ☉ Lower L. Venus's Center.	63	7	8	8	59	30	15	60	2	39	29, 14	49	48
		64	0	12	0	60	2	38	60	2	39			
		72	10	8	3	68	6	58	68	6	58	29, 59	44	38½
♄ MAR. 2.	☉ Lower L. ☉ Upper L.	62	13	6	0	58	54	31	58	22	14	29, 02	47	47+
		62	4	3	3	58	22	16						
♃ 3.	☉ Lower L. ☉ Upper L.	62	6	13	5	58	31	32	57	59	15	29, 57	45	45½
		61	13	10	4	57	59	13	57	59	15			
♀ 4.	☾ Lower L.	79	11	0	2	74	42	27	74	42	27	30, 23	40	31½
h 5.	☉ Upper L. ☉ Lower L. Aldebaran. α Orionis. H } η } μ } Geminorum. ν } γ } ε } ☾ Lower L. Venus's Center.	61	0	7	9	57	12	58				30, 23	42	39
		61	9	10	11	57	45	16	57	45	17			
		37	12	1	2	35	23	41, 4				30, 13	45	40½
		47	0	15	8	44	7	10, 8						
		30	1	8	9	28	12	55, 4				30, 17	43	38-
		30	13	7	10	28	54	54, 5				30, 17	43	38-
		30	12	7	5	28	51	18, 5				30, 17	43	38-
		33	3	3	11	31	7	38, 4				30, 17	43	38-
		37	3	6	5	34	53	11, 9				30, 17	43	38-
		27	13	14	2	26	7	33, 8				30, 17	43	38-
		83	9	1	6	78	20	43	78	20	44	30, 08	41	33
		72	6	14	0	67	54	10	67	54	10	30, 08	41	35
☉ 6.	☉ Lower L. ☉ Upper L. Jupiter's Center. α Orionis. H } η } μ } Geminorum. ν } γ } ε } ☾ Lower L. Uncertain.	61	3	2	2	57	22	16				30, 07	42½	41
		60	9	15	3	56	49	59	56	49	59			
		40	9	3	0	38	2	18	38	2	19	30, 02	45	45-
		47	0	15	7+	44	7	10, 5						
		30	1	8	9	28	12	55, 4				30, 01	44	40
		30	13	7	9	28	54	53, 5				30, 01	44	40
		30	12	7	5	28	51	18, 5				30, 01	44	40
		33	3	3	9	31	7	36, 4				30, 01	44	40
		37	3	6	4	34	53	10, 9				30, 01	44	40
		27	13	14	0	26	7	31, 8				30, 01	44	40
		85	11	13	0	80	22	47	80	22	47	29, 95	41	32½
☾ 7.	☉ Upper L. ☉ Lower L. Jupiter's Center. scarce visible. Venus's Center.	60	3	5	0	56	26	39				30, 00	43	43-
		60	12	8	4	56	59	1	56	59	1			
		40	8	2	0	37	58	33, 9	37	58	33	29, 91	46	46
		72	4	11	2	67	46	31	67	46	29	29, 85	43	43-
♄ 8.	☉ Upper L. ☉ Lower L. Jupiter's Center. ☾ Center. Estimated. Venus's Center.	59	12	11	0	56	3	21				29, 85	43	43
		59	5	13	12	56	35	38						
		47	7	0	10	37	54	47	37	54	45	29, 81	44	43+
		84	11	2	12	79	24	19	79	24	24	29, 76	43	38
		72	3	6	9	67	42	1	67	42	0	29, 76	44	39
♀ 9.	☉ Upper L.	59	5	0	10	55	36	30				29, 76	49	49
♃ 10.	☉ Upper L. ☉ Lower L.	58	15	5	12	55	16	32				29, 66	50-	52
		59	8	9	0	55	48	51	55	48	51			
☉ 13.	☉ Lower L. } Great tremor. ☉ Upper L. }	58	4	6	9	54	38	2				30, 10	37	35
		57	11	4	1	54	5	49	54	5	50			
☾ 14.	☉ Upper L. ☉ Lower L. H } η } μ } Geminorum. ν } γ } ε } Venus's Center.	57	14	8	10	53	42	14				30, 00	36	35
		57	13	11	7	54	14	29	54	14	28			
		30	1	8	7	28	12	53, 4				30, 05	35	34
		30	13	7	8	28	54	52, 5				30, 05	35	34
		30	12	7	3	28	51	16, 5				30, 05	35	34
		33	3	3	6	31	7	33, 4				30, 05	35	34
		37	3	6	0	34	53	6, 9				30, 05	35	34
		27	13	13	11	26	7	29, 6				30, 05	35	34
		71	8	14	10	67	5	7	67	5	8	30, 10	36	33½
♄ 15.	☉ Upper L. ☉ Lower L.	56	13	13	2	53	18	36				30, 12	38	40
		57	6	15	12	53	50	50	53	50	50			
♀ 16.	☉ Lower L.	57	0	4	2	53	27	10				30, 13	39-	36½

In APRIL MDCC LXIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
♄ 16.	☉ Upper L.	56	7	1	7	52	54	57	52	54	55			
☉ 20.	☉ Upper L.	54	12	2	10	51	20	18	51	20	19	29, 70	47	50
♂ 22.	♃ Upper L.	24	12	3	6	23	12	57	23	12	54½	29, 78	43	43
♃ 24.	☉ Upper L.	53	1	4	4	49	45	43				29, 87	45	43+
	☉ Lower L.	53	10	6	6	50	17	47	50	17	49			
	♃ Upper L.	28	8	6	6	26	44	33	26	44	32	29, 89	43	36
♂ 26.	☉ Lower L.	52	13	0	6	49	30	48				29, 90	41	39
	☉ Upper L.	52	3	14	4	48	58	41	48	58	41			
	♃ Upper L.	39	11	0	10	37	12	35	37	12	34	30, 13	40	34
☉ 27.	☉ Upper L.	51	13	3	4	48	35	11				30, 21	40	40
	☉ Lower L.	52	6	5	5	49	7	16	49	7	17			
♄ 30.	☉ Lower L.	51	2	6	5	47	57	11				30, 03	47	52½
	☉ Upper L.	50	9	4	11	47	25	12	47	25	13			
♂ APR. 5.	☉ Upper L.	48	2	0	7	45	7	8,9				30, 29	45	44
	☉ Lower L.	48	11	2	3	45	39	9,7	45	39	11			
♃ 7.	☉ Lower L. { Naked eye.	47	14	4	4	44	53	54,9				30, 08	47	50
	☉ Upper L. {	47	5	2	4	44	21	50,1	44	21	51			
☉ 10.	☉ Upper L. { Hazy.	46	2	1	5	43	14	50				29, 82	46	51
	☉ Lower L. {	46	11	3	0	43	46	50	43	46	51			
♄ 12.	☉ Lower L.	45	14	10	6	43	2	46				29, 80	49	50
	☉ Upper L.	45	5	9	1	42	30	49	42	30	50			
	Venus's Center.	64	4	13	12	60	17	7	60	17	6	29, 93	48	48
♄ 13.	☉ Upper L. { Hazy.	44	15	4	9	42	8	46				29, 91	50½	55
	☉ Lower L. {	45	8	7	1	42	40	56	42	40	57			
	Venus's Center.	63	15	2	8	59	57	3	59	57	4	29, 83	49	51
♃ 14.	☉ Lower L.	45	2	4	12	42	19	21				29, 80	53	50
	☉ Upper L.	44	9	3	6	41	47	24	41	47	24			
♃ 18.	☉ Lower L.	43	10	1	9	40	54	16,6				29, 64	53	56
♄ 20.	☉ Lower L.	42	14	6	0	40	13	2				29, 93	48	48
	☉ Upper L.	42	5	4	0	39	40	57	39	40	58			
	Venus's Center.	61	4	12	7	57	28	4	57	28	2	29, 96	46	45
♃ 21.	☉ Lower L.	42	8	7	8	39	52	18				29, 93	49	50
	☉ Upper L.	41	15	6	6	39	20	24	39	20	25			
	♃ Upper L.	31	3	8	2	29	16	5	29	16	3	29, 87	52	50
♄ 22.	☉ Upper L.	41	9	10	7	39	0	12				29, 82	53	58
	☉ Lower L.	42	2	11	9	39	32	6	39	32	5			
	♃ Upper L.	36	12	12	10	34	29	59	34	29	59	29, 81	54	54
♂ 23.	♃ Upper L.	43	9	9	1	40	52	23	40	52	23	30, 10	51	43
♃ 25.	γ Virginis.	55	0	13	3	51	36	39,4				30, 18	48	39-
	♃ Upper L.	59	1	0	0	55	22	16	55	22	15			
♄ 26.	☉ Upper L.	40	3	3	8	37	41	20,4				30, 03	51	55
	☉ Lower L.	40	12	4	3	38	13	7,0	38	13	7			
♄ MAY 3.	☉ Upper L.	37	14	6	2	35	31	49				29, 42	47	49
	☉ Lower L.	38	7	7	1	36	3	40	36	3	40			
♄ 4.	☉ Lower L.	38	2	7	2	35	46	6				29, 32	48	51
	☉ Upper L.	37	9	6	6	35	14	19	35	14	20			
	♃ Upper L.	76	10	1	11	71	50	34	71	50	34	20, 39	44	40
♃ 5.	☉ Upper L. { A very great & unusual tremor.	37	4	8	0	34	57	4				29, 45	50	53
	☉ Lower L. {	37	13	8	10	35	28	53	35	28	54			
	♃ Upper L. { Very faint.	71	8	13	10	67	4	54	67	4	54	29, 57	48	46
	Venus's Center.	54	15	4	1	51	31	8	51	31	6	29, 57	48	49½
☉ 15.	Venus's Center. ☉.	50	8	4	8	47	21	38,2	47	18	8	30, 20	53	53
♄ 17.	☉ Upper L.	33	15	15	6	31	52	23				30, 15	55	55
	☉ Lower L.	34	9	0	0	32	24	8	32	24	9			
	♃ Upper L.	26	7	11	10	24	49	42	24	49	41	30, 12	58	60
♄ 18.	♃ Upper L.	29	14	11	0	28	2	53	28	2	53	30, 00	53	60
♄ 20.	♃ Upper L.	41	3	10	7	38	39	6,6				29, 75	56	53
♂ 21.	☉ Lower L.	33	10	5	5	31	32	35				29, 93	54	58
	☉ Upper L.	33	1	5	2	30	0	54	31	0	56			
☉ 22.	☉ Upper L.	32	13	14	2	30	48	49				30, 08	55	57
	☉ Lower L.	33	6	14	6	31	20	31	31	20	30			
	♃ Upper L.	55	14	8	10	52	24	54	52	24	52	30, 08	57	54
♃ 23.	☉ Lower L.	33	3	9	3	31	8	50				30, 16	54	53
	☉ Upper L.	32	10	9	0	30	37	8	30	37	7			
	♃ Upper L.	63	7	10	0	59	30	33	59	30	33	30, 15	53	47
♄ 27.	Venus's Center.	45	1	7	10	42	16	28	42	16	29	29, 82	51½	51

In JUNE MDCCLXIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in. Deg.	With- out. Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
h 28.	☉ Upper L. ☉ Lower L. Ayscough's Thermometer stands $\frac{1}{2}$ a Division lower than Bird's. <i>Arcturus.</i>	31 32 53	11 4 1	7 8 13	9 1 2	29 30 31	44 15 2	7 50 39	29 30 31	44 15 2	9 49 36	29, 82 29, 80	51	55- 43 $\frac{1}{2}$
☉ 29.	☉ Upper L. ☉ Lower L. <i>Syrus.</i> ☿ Lower L. <i>Venus's Center.</i>	31 32 72 85 44	8 1 5 6 3	13 13 15 3 10	0 0 3 2 4	29 30 67 80 41	34 6 50 3 27	44 22 55 2 49	29 30 67 80 41	34 6 50 3 27	38 21 57 3 48	29, 83 29, 83 29, 78 29, 74	52 53 50 52	55- 54 42 56
☿ 30.	☉ Lower L. ☉ Upper L.	31 31	15 6	3 3	0 0	29 29	57 25	9 30	29 29	57 25	9 31	29, 73	54	56+
h JUNE 1.	☉ Upper L. ☉ Lower L.	31 31	1 10	5 5	0 2	29 29	8 40	22 0	29 29	8 40	22 0	29, 70		65 $\frac{1}{2}$
h 2.	☉ Lower L. ☉ Upper L.	31 30	8 15	0 0	5 8	29 29	31 0	58 22	29 29	31 0	58 22	29, 81		67
☿ 3.	☿ Upper L. <i>Venus's Center.</i>	62 42	1 1	15 12	7 6	58 39	14 28	26 45	58 39	14 28	26 47	29, 86 29, 85		56 61
h 4.	☉ Upper L. ☉ Lower L.	30 31	10 3	13 13	0 2	28 29	45 17	31 11	28 29	45 17	32 10	29, 83	61	64
h 9.	☉ Lower L. ☉ Upper L.	30 30	11 2	31 3	4 6	28 28	46 15	54 18	28 28	46 15	54 20	30, 13	56	59
h 11.	<i>Venus's Center.</i>	38	15	1	0	36	30	27	36	30	27	29, 78*	56	57
☉ 12.	☉ Upper L.	29	14	7	1	28	2	1				29, 82	58	62
☿ 13.	☉ Upper L. ☉ Lower L.	29 30	13 6	6 6	6 3	27 28	58 29	22 58	27 28	58 29	22 57	29, 86	59	62+
☿ 15.	☉ Upper L. ☉ Lower L. <i>Venus's Center.</i>	29 30 37	11 4 7	11 11 12	2 7 4	27 28 35	52 24 8	22 6 34	27 28 35	52 24 8	22 5 34	29, 80 29, 52	63 $\frac{1}{2}$ 63	71 $\frac{1}{2}$ 67
h 16.	☉ Lower L. ☉ Upper L.	30 29	4 11	0 0	0 6	28 27	21 50	34 1	27 27	21 50	34 0	29, 51	65	68
☿ 17.	☉ Upper L. ☉ Lower L.	29 30	10 3	7 7	2 0	27 28	47 19	59 35	27 28	48 19	0 33	29, 53	65	72-
h 18.	☿ Upper L.	53	11	2	12	50	20	34	50	20	34	29, 73	68	70 $\frac{1}{2}$
☉ 19.	☉ Lower L. ☉ Upper L. ☿ Upper L. <i>Spica Virginis.</i>	30 29 61 65	2 9 2 7	10 11 5 6	5 0 1 6	28 27 57 61	16 45 19 22	49 19 24 16,7	27 27 57 61	16 45 19 22	49 18 23 16,7	29, 86 29, 89	65 $\frac{1}{2}$ 65 $\frac{1}{2}$	68 $\frac{1}{2}$ 63 $\frac{1}{2}$
☿ 20.	☉ Lower L. ☉ Upper L. ☿ Upper L. <i>Venus's Center.</i>	30 29 68 35	2 9 4 12	7 7 5 15	5 12 1 10	28 27 64 33	16 44 0 34	9 38 11 24	27 27 64 33	16 44 0 34	9 37 10 23	29, 86 29, 84 29, 78	65 66 64	66 63 67
☿ 21.	☿ Upper L. <i>Venus's Center.</i>	74 35	10 7	10 15	0 9	69 33	59 16	51 48	69 33	59 16	52 47	29, 76 29, 59	66 63	62 63
☿ 22.	☉ Upper L. ☉ Lower L.	29 30	9 2	6 5	0 11	27 28	44 15	13 49	27 28	44 15	13 49	29, 59	65	66 $\frac{1}{2}$
h 23.	<i>Venus's Center.</i>	34	14	4	10	32	42	46	32	42	46	29, 80	61	65
☿ 24.	☉ Lower L. ☉ Upper L. <i>Antares.</i>	30 29 82	2 9 7	12 12 2	0 7 10	28 27 77	17 45 17	10 39 42,9	27 27 77	17 45 17	10 37 42,9	29, 80 29, 79	68 63	70 61-
h 25.	<i>Venus's Center.</i>	34	5	2	5	32	10	36	32	10	35	29, 70	64	68
☉ 26.	☉ Upper L. ☉ Lower L. ☿ Lower L. <i>Venus's Center.</i>	29 30 84 34	10 3 0 0	11 10 5 13	0 8 2 2	27 28 78 31	48 20 46 55	49 23 8 23,4	27 28 78 31	48 20 46 55	49 22 10 12	29, 70 29, 72 29, 76	66 63 64	69 55 67
☿ 29.	☿ Upper L.	70	3	1	5	65	48	21	65	48	22	29, 46	61	54
☿ JULY 1.	☉ Lower L. ☉ Upper L.	30 29	7 14	13 14	5 0	28 28	35 3	5 33	28 28	35 3	5 34	29, 57	64	65
h 2.	☉ Upper L. ☉ Lower L.	30 30	0 9	0 0	12 5	28 28	7 39	42 13	28 28	7 39	42 14	29, 84	64	67 $\frac{1}{2}$
☿ 4.	☿ Upper L. Faint. <i>Venus's Center.</i>	40 32	1 3	5 0	12 6	37 30	34 10	49 39	37 30	34 10	48 30	29, 98 30, 00	61 62	59 65
☿ 5.	☉ Lower L. ☉ Upper L.	30 30	13 4	4 4	3 9	28 28	54 22	8 35 $\frac{1}{2}$	28 28	22 35 $\frac{1}{2}$	8 35	30, 00	64	67
h 7.	☉ Upper L. ☉ Lower L.	30 31	7 0	11 11	3 0	28 29	34 6	35 10	28 29	34 6	35 9	29, 87	65	68
h 9.	☉ Lower L.	31	4	8	6	29	19	40				29, 49	64	66 $\frac{1}{2}$

In JULY MDCC LXIII.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h	9.	☉ Upper L.	30	11	9	0	28	48	9	28	48	9			
☉	10.	☉ Upper L.	30	13	10	5	28	55	29				29, 58	64	67½
		☉ Lower L.	31	6	10	0	29	27	2	29	27	0			
u	14.	☉ Lower L.	32	0	1	5	30	0	18				29, 41	64	65
		☉ Upper L.	31	7	1	9	29	28	44	29	28	44			
		☉ Upper L. V. faint & uncertain	44	3	12	0	41	28	11	41	28	12	29, 38	65	66½
h	16.	☉ Lower L.	32	5	7	0	30	19	7				29, 55	61	62
		☉ Upper L.	31	12	8	0	29	47	42	29	47	42			
h	18.	☉ Upper L.	32	2	3	12	30	7	40				29, 48	63	67
		☉ Lower L.	32	11	3	9	30	39	29	30	39	29			
h	20.	☉ Upper L.	33	1	6	6	31	1	11				29, 78	60	63
		☉ Lower L.	32	8	7	0	30	29	40	30	29	41			
		Antares.	82	7	4	0	77	17	59, 3	77	17	49	29, 93	60	55
		☉ Upper L.	82	10	15	12	77	31	9	77	31	9			
u	21.	☉ Upper L.	32	11	10	10	30	41	2, 1				29, 98	61	66
h	22.	☉ Lower L.	33	8	0	0	31	24	23				29, 81	62	67½
		☉ Upper L.	32	15	0	0	30	52	44	30	52	44			
		☉ Lower L.	86	3	8	5	80	49	53	80	49	55	29, 65	60	55
h	23.	☉ Upper L.	84	6	8	5	79	7	56	79	7	57	29, 56	61	55
☉	24.	Jupiter's Center.	32	5	9	4	30	19	37, 3	30	19	40	29, 76	60	58
		Venus's Center.	30	7	8	8	28	34	0	28	34	1	29, 77	61	61
h	25.	☉ Upper L.	33	9	9	0	31	29	52						
		☉ Lower L.	34	2	9	0	32	1	30, 5	32	1	30	29, 75	62	64
h	27.	Antares.	82	7	3	6	77	17	52, 1				29, 59	63	60
u	28.	☉ Upper L.	34	4	15	12	32	10	3				29, 62	63	66
		☉ Lower L.	34	14	0	0	32	41	43, 1	32	36	43			
h	29.	Jupiter's Center.	32	3	5	9	30	11	48	30	11	47	29, 47	61	59½
☉	31.	☉ Upper L.	35	1	3	9	32	53	4				29, 59	62	63
		☉ Lower L.	35	10	3	6	33	24	40	33	24	40			
h	AUG. 2.	☉ Upper L.	31	12	13	11	29	48	59	29	48	57+	29, 55	61+	59+
		Jupiter's Center.	32	1	11	1	30	5	57	30	5	56	29, 55	61½	60+
h	3.	☉ Upper L.	35	14	3	8	33	38	46	33	38	44	29, 58	63	63-
		☉ Lower L.	36	7	4	3	34	10	32	34	10	32			
u	4.	☉ Lower L. Uncertain.	26	0	12	6	24	25	14	24	25	16	29, 50	60	59½
		Venus's Center.	31	7	14	0	29	31	26	29	31	25	29, 51	62	65
h	5.	☉ Upper L.	37	0	5	0	34	42	21	34	42	21½	29, 50	63	65
		☉ Lower L.	36	7	4	12	34	10	41	34	10	39			
h	6.	Saturn's Center.	42	5	1	4	39	40	22	39	40	23	29, 70	59-	51-
		Jupiter's Center.	32	0	2	5	30	0	31	30	0	31	29, 74	59	56-
		α Orionis.	47	0	15	1	44	7	4	44	7	4	29, 76	60-	59+
☉	7.	☉ Upper L.	37	0	10	7	34	43	33, 8	34	43	33	29, 79	62-	64
		Jupiter's Center.	31	15	12	2	29	59	9	29	59	9			
h	10.	☉ Upper L.	37	15	5	4	35	35	9				29, 97	63+	67
		☉ Lower L.	38	8	5	0	36	6	43	36	6	42			
h	15.	☉ Lower L.	40	2	3	0	37	37	41				29, 63	65	69
		☉ Upper L.	39	9	2	6	37	5	56	37	5	57			
		☉ Upper L. scarce visible.	77	4	3	0	72	25	58, 3	72	25	58, 3	29, 60	67-	70-
h	17.	☉ Upper L.	40	3	14	9	37	43	46	37	43	48	29, 44	67½	74-
		☉ Lower L.	40	12	15	6	38	15	35	38	15	39			
u	18.	☉ Lower L.	41	2	7	3	38	34	12				29, 47	66	68½
		☉ Upper L.	40	9	7	0	38	3	11	38	3	12			
h	23.	☉ Lower L.	69	2	6	7	64	49	43	64	49	42	29, 62½	62	52½
u	25.	☉ Upper L.	43	1	7	0	40	23	48				29, 93	61	61½
		☉ Lower L.	43	10	7	4	40	55	31	40	55	33			
h	27.	☉ Upper L.	44	2	0	0	41	22	2	41	22	1	29, 95	62	53-
☉	28.	☉ Upper L.	38	7	3	7	36	2	53	36	2	53	29, 73	61	56
		Saturn's Center.	42	6	1	0	39	43	49	39	43	49	29, 73	61	56
		Jupiter's Center.	31	9	14	0	29	38	28	29	38	25	29, 73	60	54½
h	29.	ζ Arietis.	33	6	7	0	31	18	53				29, 82	53	48
		☉ Upper L.	33	5	15	5	31	17	13	31	17	14	29, 82	53	48
		Venus's Center.	38	10	8	7	36	14	32	36	14	30	29, 92	60	60
h	30.	Jupiter's Center.	31	9	7	5	29	37	1	29	36	59	30, 04	57	47
h	31.	☉ Upper L.	45	4	9	7	42	27	24, 4				30, 05	62	64-
		☉ Lower L.	45	14	10	11	43	2	51	43	2	49			
u	SEPT. 1.	Capella.	6	2	1	0	5	44	45	5	44	44	29, 67	59+	54½

In SEPTEMBER MDCCCLXIII.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		With- in.	With- out.
1	1.	Upper L. Very uncertain.	24	10	13	8	23	8	9	23	8	8	29, 65	60—	57+
2	2.	Upper L.	46	2	0	0	43	14	32				29, 63	65	69
		Lower L.	46	11	1	0	43	46	23, 5	43	46	24			
3	3.	Lower L.	47	1	5	1	44	8	23	44	8	24	29, 70	61—	61
		Upper L.	46	8	4	4	43	36	34	43	36	34			
		Jupiter's Center.	31	8	12	0	29	34	31	29	34	30	29, 85	55	46
		Lower L. Very faint. ::	28	0	5	8	26	16	14	26	16	11	29, 89	57—	53
4	4.	Lower L.	47	7	9	8	44	30	28				29, 87	59	58
		Upper L.	46	14	9	0	43	58	41	43	48	40			
6	6.	Lower L.	48	4	4	9	45	15	6				30, 00	60	59
		Upper L.	47	11	3	12	44	43	17	44	43	15			
9	9.	Saturn's Center.	42	8	6	12	39	52	9	39	52	8	29, 37	56½	48
21	21.	Upper L. Very indistinct.	58	7	15	0	54	50	24	54	50	25	29, 52	58+	54+
22	22.	Upper L.	52	3	13	0	48	58	24	48	58	26	30, 11½	58+	53½
24	24.	Upper L.	55	1	4	8	51	38	17	51	38	19	30, 23	58—	59½
27	27.	Saturn's Center.	42	14	2	0	40	12	9	40	12	5	29, 85	46+	53—
		Upper L.	26	15	8	0	25	16	59	25	16	57	29, 82	52+	45½
28	28.	Lower L.	57	5	0	12	53	44	2	53	44	0	29, 92	54½	55½
		Saturn's Center.	42	14	7	7	40	13	22	40	13	20	29, 95	50+	39
		Jupiter's Center.	31	6	4	4	29	25	47	29	25	44	29, 92½	47	46½
		Upper L.	24	14	12	7	23	21	58	23	21	55	29, 92	42½	37
29	29.	Lower L.	57	11	11	1	54	7	21				29, 91	51	48½
		Upper L.	57	2	9	4	53	35	19	53	35	19			
30	30.	Upper L.	57	9	3	7	53	58	40				29, 75½	53	55+
		Lower L.	58	2	5	11	54	30	49	54	30	51			
		Saturn's Center.	42	15	4	8	40	16	15	40	16	13	29, 64½	50½	44+
Oct. 1	1.	Lower L. Very hazy. ::	58	9	0	3	54	54	11				29, 51	53	57½
2	2.	Jupiter's Center.	31	6	4	2	29	25	45	29	25	42	28, 67½	52+	48½
5	5.	Jupiter's Center.	31	6	4	4	29	25	47	29	25	46	29, 78½	45—	35½
6	6.	Upper L.	60	0	14	6	56	18	10	56	18	8	29, 85½	46½	42½
		Saturn's Center.	43	1	11	2	40	24	43	40	24	41	29, 98½	44½	34+
		Jupiter's Center.	31	6	3	10	29	25	40	29	25	38	30, 00½	43½	32+
7	7.	Lower L.	61	0	9	5	57	13	18	57	13	17	31, 10	45+	41
10	10.	Lower L.	62	4	2	7	58	22	7, 1				29, 75	48	43½
		Upper L. ::	61	11	0	3	57	49	58	57	49	58			
11	11.	Upper L.	62	1	7	8	58	12	41	58	12	42	29, 82	47—	44—
		Saturn's Center.	43	3	13	6	40	32	15	40	32	13	29, 95	43	32½
		Jupiter's Center.	31	6	6	8	29	26	18	29	26	16	29, 97	43+	31½
12	12.	Upper L. } Fluttering.	62	7	14	6	58	35	17				30, 09	46—	41½
		Lower L. }	63	1	0	12	59	7	28	59	7	28			
		Saturn's Center.	43	4	5	0	40	33	54	40	33	53	30, 9	45—	38+
13	13.	Lower L.	63	7	7	5	59	29	59				30, 12	47+	46½
		Upper L.	62	14	5	0	58	57	49	58	57	49			
		Lower L. Hazy.	85	2	16	0	79	51	47	79	51	44	30, 12	47—	45½
14	14.	Upper L.	63	4	11	4	59	20	18				30, 07	48	49
		Lower L.	63	13	13	12	59	52	31	59	52	32			
		Lower L.	82	3	5	0	77	4	9	77	4	9	30, 05	48½	45—
		Saturn's Center.	43	5	3	0	40	36	59	40	37	0	30, 04	46	39
		Jupiter's Center.	31	6	9	8	29	26	57	29	26	55	30, 04	46—	38½
15	15.	Lower L.	64	4	3	4	60	14	47				30, 03	48	52+
		Upper L.	63	11	0	11	59	42	36	59	42	37			
16	16.	Lower L.	72	14	4	0	68	20	6	68	20	7	30, 07½	48+	41—
		Saturn's Center.	43	6	0	11	40	40	2	40	40	2	30, 06	47	38½
17	17.	Upper L.	64	7	10	0	60	26	48				30, 07	48	47½
		Lower L.	67	2	13	7	62	58	45	62	58	44	30, 04	47½	41+
21	21.	Upper L.	66	0	5	3	61	53	39				29, 9	49	46
		Lower L.	66	9	10	10	62	26	30	62	26	27			
		Lower L.	42	10	4	5	39	58	37	39	58	35	28, 8	47½	40—
		Saturn's Center.	43	8	5	0	40	47	58	40	47	58	28, 7½	47+	39½
22	22.	Lower L.	66	15	9	0	62	47	13				29, 87	49	47
		Upper L.	66	6	14	2	62	16	42	62	16	40			
24	24.	Upper L.	67	2	6	1	62	57	7				29, 97½	53+	55
		Lower L.	67	11	9	2	63	29	26	63	29	24			
25	25.	Lower L.	68	1	7	10	63	50	13				29, 67	53	56+
		Upper L.	67	8	5	3	63	18	1	63	17	59			
26	26.	Upper L.	67	14	2	6	63	38	30				29, 75	54	53½

In OCTOBER MDCCCLXIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		Deg.	Deg.
26.	☉ Lower L. ☽ Lower L.	68	7	5	10	64	10	52	64	10	50	29, 91	52	45-
29.	☽ Lower L.	32	14	1	10	30	49	36	30	49	34	29, 78	51-	48½
31.	Saturn's Center. ☽ Lower L.	43	12	13	0	41	3	47	41	3	45	29, 31	49	43+
		45	9	2	0	42	43	20	42	43	20	29, 24	48	43+
Nov. 1.	☉ Upper L.	70	9	5	3	66	10	17	66	10	17	29, 19	50	48½
2.	Saturn's Center.	43	13	11	0	41	6	52	41	6	50	29, 30	46	38½
3.	Saturn's Center.	43	14	2	0	41	8	24	41	8	22	29, 46	46+	38
7.	Saturn's Center.	43	15	13	5	41	14	25	41	14	24	29, 59½	48½	44
12.	☉ Lower L. ☉ Upper L. ☽ Lower L. Saturn's Center.	74	1	2	0	69	26	27	68	53	58	30, 26	47	44½
		73	7	14	2	68	53	58	68	53	58			
		74	11	9	10	70	3	19	70	3	18	30, 27	47	39-
		44	1	14	0	41	21	35	41	21	34	30, 26	45½	37½
13.	☉ Upper L. ☉ Lower L. ☽ Lower L. Very dubious.	73	12	7	9	69	10	7	69	42	25	30, 29	45½	43½
		74	5	10	9	69	42	25	69	42	25			
		69	2	6	11	64	49	47	64	49	44	30, 32	45	40½
14.	☽ Lower L.	63	2	9	0	59	12	45	59	12	45	30, 45	46-	43
15.	☽ Lower L. Saturn's Center. Jupiter's Center.	56	15	7	0	53	24	16	53	24	14	30, 31	45	39½
		44	3	1	7	41	25	53	41	25	52	30, 29	44+	39
		31	11	4	0	29	43	18	29	43	17	30, 25	43+	37
16.	☉ Upper L. ☉ Lower L. ☽ Lower L.	74	9	10	0	69	56	20	70	28	49	30, 10	44	38+
		75	2	14	0	70	28	51	70	28	49			
		50	11	11	10	47	33	45	47	33	43	29, 95½	43	37½
17.	☽ Lower L. Saturn's Center. Jupiter's Center.	44	10	12	9	41	52	56	41	52	55	30, 07½	39½	28+
		44	3	15	0	41	28	50	41	28	48	30, 07½	39	28+
		31	11	12	11	29	45	14	29	45	12	30, 06½	38-	27½
18.	☉ Lower L. ☉ Upper L. Saturn's Center. ☽ Lower L.	75	11	3	10	70	58	15	70	25	54	30, 07	38	31½
		75	2	0	9	70	25	55	70	25	54			
		44	4	2	7	41	29	37	41	29	35	29, 85	36	30
		38	15	5	5	36	31	25	36	31	23	29, 85	36	30
19.	☉ Upper L. ☉ Lower L. Saturn's Center. ☽ Lower L. Jupiter's Center.	75	6	0	0	70	39	51	71	12	16	29, 66	38	33
		75	15	3	10	71	12	18	71	12	16			
		44	4	8	4	41	30	53	41	30	50	29, 69	36	28
		33	13	13	10	31	44	58	31	44	56	29, 82	35	28
		31	12	1	8	29	46	47	29	46	45	29, 83	35	27½
21.	☉ Lower L. ☉ Upper L. Saturn's Center. Jupiter's Center. ☽ Upper L.	76	6	15	3	71	39	26	71	6	59	29, 63	37	33½
		75	13	11	6	71	6	58	71	6	59			
		44	5	3	5	41	33	19	41	33	17	29, 54	36	28
		31	12	9	0	29	47	55	29	47	55	30, 01	35	25½
		26	2	9	10	24	31	40	24	31	38	30, 01	35	25½
23.	☽ Upper L.	25	0	12	8	23	29	1	23	28	59	30, 07	41	42
25.	Jupiter's Center. ☽ Lower L.	31	13	9	10	29	51	35, 8	29	51	32	29, 86	47	46½
		31	8	6	0	29	33	11	29	33	9	29, 84	47-	46-
26.	Jupiter's Center.	31	13	14	0	29	52	31, 8	29	52	30	29, 85	47	45
27.	☽ Lower L.	43	2	1	11	40	26	11, 1	40	26	10	29, 77	49	47+
28.	☉ Upper L. ☉ Lower L. Saturn's Center. Jupiter's Center. ☽ Lower L.	77	5	7	3	72	30	25	73	2	49	29, 81	49	47
		77	14	10	9	73	2	49	73	2	49			
		44	7	7	1	41	41	9, 8	41	41	7	29, 84½	47	41½
		31	14	6	7	29	54	24	29	54	23	29, 86	46½	40½
		50	4	8	10	47	8	29	47	8	28	29, 86	45	39
30.	☉ Lower L. ☉ Upper L.	78	4	7	2	73	23	8	72	50	35	29, 51	48	48
		77	11	3	0	72	50	35	72	50	36			
DEC. 2.	Saturn's Center. Jupiter's Center. Arcturus.	44	8	8	3	41	44	56	41	44	54	30, 09	33	33½
		31	15	7	11	29	58	12	29	58	10	30, 11½	42	33-
		33	1	14	9	31	2	59	31	2	57	30, 21½	43-	37½
7.	☉ Upper L. ☉ Lower L.	78	11	8	15	73	48	10				29, 92	48	45½
		79	4	13	5	74	20	45	74	20	45			
8.	Saturn's Center. Jupiter's Center. Spica Virginis. Arcturus.	44	9	13	8	41	49	37	41	49	35	30, 04	46	40½
		32	1	2	7	30	4	4	30	4	3	30, 07	45	39-
		65	7	5	9	61	22	7	61	22	7	30, 16	43	37
		33	1	14	9	31	3	0	31	3	0	30, 17	43	38-
9.	☉ Lower L. ☉ Upper L. ☽ Lower L. Saturn's Center. Jupiter's Center.	79	8	5	9	74	33	7	74	0	38	30, 18	45-	41+
		78	15	1	9	74	0	36	74	0	38			
		76	11	14	4	71	56	49	71	56	47	30, 19	46-	41½
		44	10	0	6	41	50	15	41	50	15	30, 20	44½	38+
		32	1	6	10	30	5	0	30	4	58	30, 20	44	37½
11.	☉ Upper L.	79	2	2	9	74	11	22				29, 32½	45	42-

In DECEMBER MDCC LXIII.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			With- in.	With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			Inches.
○ 11.	○ Lower L. ▷ Lower L.	79 65	11 5	6 12	10 7	74 61	43 16	54 35	74 61	43 16	56 34	29, 06	44	30½
δ 13.	○ Upper L. <i>Jupiter's Center.</i>	79 32	4 2	11 8	7 9	74 30	20 8	21 56	74 30	20 8	22 54	28, 58 28, 82	40— 44	44½ 24½
▷ 19.	<i>Saturn's Center.</i> <i>Jupiter's Center.</i> ▷ Upper L.	44 32 25	11 4 1	5 2 12	8 2 8	41 30 23	54 14 32	54 32 32	41 30 23	54 14 32	54 30 30	29, 28 29, 30 29, 31	46+ 41 40½	30 34+ 43+
δ 20.	▷ Upper L.	24	13	4	7	23	16	42	23	16	40	29, 41	39	32½
γ 21.	▷ Upper L.	26	6	9	8	24	45	42	24	45	43	29, 53	40	30½
♀ 23.	○ Lower L. ○ Upper L. <i>Saturn's Center.</i>	80 79 44	2 9 11	10 6 9	7 7 6	75 74 41	9 36 55	21 49 45	75 74 41	9 36 55	44 50 44	29, 53 29, 53 29, 56	44½ 44 44	45½ 42— 42—
○ 25.	<i>Jupiter's Center.</i> ▷ Lower L. <i>Mars's Center.</i> <i>Arcturus.</i>	32 48 64 33	5 4 13 1	10 14 8 15	2 8 0 5	30 45 60 31	19 17 47 3	48,5 16 27,7 9	30 45 60 31	19 17 47 3	46 15 25 7	29, 63 29, 66½ 29, 66 29, 66	42 40 38½ 38½	36½ 31½ 30 30
▷ 26.	○ Upper L. ○ Lower L.	79 80	8 1	3 7	6 6	74 75	32 5	38 9	75 75	5 5	12	29, 60	40½	34½
♀ 30.	<i>Jupiter's Center.</i> <i>Mars's Center.</i> <i>Arcturus.</i>	32 65 33	6 14 1	12 14 15	3 5 0	30 61 31	23 48 3	47 37 4	30 61 31	23 48 3	45 36 2	29, 32 29, 55 29, 55	47½ 49 49	43½ 37½ 7½
h 31.	○ Lower L. ○ Upper L.	79 79	12 3	13 9	2 0	74 74	48 16	50 16	74 74	48 16	15	29, 66	44½	38½

In JANUARY MDCC LXIV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES						BARO- METER	THERMO- METER.					
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.		With- in.	With- out.		
		Div.	Part.	Vern.	Sec.	D.	M.		S.	D.			M.	S.
○ JAN. 1.	○ Upper L. ○ Lower L. <i>Jupiter's</i> Center.	79	2	4	2	74	11	41				29, 57½	43	40
		79	11	7	10	74	44	8	74	44	9			
		32	7	2	6	30	25	9	30	25	8	29, 88	41½	32½
♂ 3.	○ Upper L. <i>Jupiter's</i> Center.	78	15	2	10	74	00	50	74	00	52	29, 73½	46	36½
		32	7	8	8	30	26	30	30	26	28	30, 04	40	34
♀ 4.	○ Lower L. { Hazy. ○ Upper L. {	79	6	11	10	74	27	15						
		78	13	8	0	73	54	57	73	54	56	30, 13	39½	34
♀ 6.	○ Lower L. Hazy.	79	2	15	7	74	14	12	74	14	13	29, 39	47½	51½
♀ 11.	▷ Lower L. <i>Saturn's</i> Center. <i>Jupiter's</i> Center.	43	1	2	11	40	22	53	40	22	52	30, 23	42	33½
		44	10	3	8	41	50	56	41	50	56			
		32	8	12	3	30	30	48	30	30	46	30, 21	42—	34—
♂ 14.	○ Upper L. Undulating much. <i>Saturn's</i> Center. ▷ Lower L. <i>Jupiter's</i> Center. <i>Mars's</i> Center.	77	5	7	6	72	30	31	72	30	30	29, 12	45	44½
		44	9	10	4	41	48	54	41	48	53	29, 28	44	41½
		28	13	3	10	27	1	31,7	27	1	30	29, 22	43½	41
		32	9	1	7	30	31	58,6	30	31	56	29, 22	43½	41
		68	15	8	5	64	39	34,5	64	39	32	29, 32	41	36—
○ 15.	○ Lower L. ○ Upper L. <i>Venus's</i> Center. <i>Jupiter's</i> Center.	77	11	11	2	72	52	22				29, 40	43—	40
		77	2	6	7	72	19	43	72	19	43			
		74	0	0	6	69	22	36	69	22	36	29, 40	43+	40½
		32	9	3	1	30	32	19	30	32	18	29, 38	42½	37½
▷ 16.	▷ Upper L.	24	10	9	11	23	7	19	23	7	17	29, 50	43—	38
♀ 18.	○ Upper L. ○ Lower L.	76	8	8	10	71	45	3				28, 74½	42½	40½
		77	1	13	0	72	17	37	72	17	36			
♀ 20.	○ Lower L. ○ Upper L.	76	10	11	0	71	52	34				28, 97	41	38½
		76	1	6	7	71	19	57	71	19	55			
♂ 21.	○ Upper L. ○ Lower L.	75	13	10	9	71	6	48				29, 61½	41	38—
		76	6	14	8	71	39	18	71	39	20			

In FEBRUARY MDCCXLIV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h 21.	Jupiter's Center. D Lower L. Mars's Center.	32 46 70	9 2 4	8 12 2	7 12 9	30 43 65	33 17 52	31 22 9	30 43 65	33 17 52	29, 77 81 81	40 39 38	33 33- 31	
o 22.	o Lower L. { Hazy. o Upper L. {	76 75	3 9	0 13	9 0	71 70	25 53	42 15	70 53	17	29, 76	39+	37½	
D 23.	D Lower L.	61	2	7	0	57	19	49	57	19	51	29, 95	44½	36+
q 27.	Saturn's Center. Jupiter's Center.	44 32	6 9	1 9	4 0	41 30	36 33	22, 8 37	41 30	36 33	22 35	29, 33 29, 34	45+ 45+	45+ 45+
o 29.	o Lower L. Venus's Center. Saturn's Center.	74 67 44	5 13 5	7 1 6	0 8 0	69 63 41	41 34 33	37 48 54	69 63 41	41 34 33	37 50 53	29, 30 29, 32	43 43+	42 41+
D 30.	o Lower L. o Upper L. Jupiter's Center.	74 73 32	0 7 9	13 9 6	0 0 0	69 68 30	25 52 32	21 50 57, 5	69 68 30	25 52 32	21 52 56	29, 71 28, 67	41+ 42-	39- 38½
q FEB. 1.	o Upper L. o Lower L. Venus's Center. Jupiter's Center.	72 73 66 32	14 7 5 9	1 5 4 4	9 2 0 8	68 68 62 30	19 52 10 32	35 1 57 39	68 62 30	19 52 10 32	35 57 37	29, 11 29, 14 29, 16½	42½ 43 42	41½ 42 36+
q 3.	o Lower L. o Upper L. Venus's Center. Jupiter's Center.	72 72 65 32	13 4 4 9	7 3 15 1	8 10 0 10	68 67 61 30	17 44 13 32	22 53 36 1, 6	67 61 30	44 13 32	54 37 0	29, 12 29, 13 29, 13	43- 43 42	41½ 41+ 40
h 4.	Venus's Center. Jupiter's Center.	64 32	12 9	10 0	8 0	60 30	44 31	31 38	60 30	44 31	31 38	29, 24 29, 37	42- 41-	40+ 36+
q 8.	o Upper L. o Lower L.	70 71	10 3	4 6	0 6	66 66	13 45	32 43	66 66	13 45	32 43	29, 79	44	44+
u 9.	o Lower L. o Upper L.	70 70	14 4	0 13	3 2	66 65	26 54	46 27	65 65	26 54	26	29, 55	45	45½
q 10.	o Upper L. o Lower L. Venus's Center. Saturn's Center. D Lower L. Jupiter's Center.	69 70 61 44 30 32	15 8 9 9 2 8	4 7 12 7 3 3	0 9 0 4 4 6	65 66 57 41 28 30	34 7 45 16 15 28	52 19 31 36 15 53	66 57 41 28 30	34 7 45 16 15 28	52 19 31 35 15 52	29, 66 29, 65 29, 64 29, 61 29, 60	44½ 45 46- 44 43½	40- 41 40+ 38 38
h 11.	o Lower L. o Upper L. Jupiter's Center. D Lower L.	70 69 32 26	2 9 8 15	15 12 0 13	1 0 12 0	65 65 30 25	47 15 28 18	50 31 19 5	65 65 30 25	47 15 28 18	50 29 17 3	29, 18 29, 54 29, 54	45+ 45+ 45+	45½ 42½ 42½
D 13.	Jupiter's Center. D Upper L.	32 24	7 11	11 8	3 11	30 23	27 10	4, 6 36, 8	32 23	27 10	2 37	29, 89 29, 89	45½ 45+	44+ 44
q 15.	Jupiter's Center. D Upper L.	32 30	7 6	4 0	12 2	30 28	25 28	41 37	30 28	25 28	40 35	30, 10 30, 08	45- 43	40- 39-
u 16.	o Upper L. o Lower L.	67 68	13 6	0 2	0 11	63 64	34 6	27 43	64 64	34 6	27 43	30, 10	46	49-
q 17.	Jupiter's Center.	32	6	14	2	30	24	12	30	24	10	30, 05	47	45½
h 18.	o Lower L. Jupiter's Center. D Lower L.	67 32 50	10 6 9	4 10 10	5 9 0	63 30 47	24 23 26	52 26 20	63 30 47	24 23 26	50 18	29, 90 29, 88 29, 90	46½ 46- 47-	48½ 44½ 45+
D 20.	D Lower L.	66	1	11	9	61	58	35	61	58	33	30, 45	46-	32½
q 21.	o Upper L. o Lower L. Venus's Center. Jupiter's Center.	65 66 55 32	14 8 8 5	12 0 11 15	9 2 0 0	61 62 52 30	48 20 4 20	15 39 17 52	62 59 52 30	48 20 4 20	15 39 15 51	30, 44 30, 42 30, 41	42½ 43 43½	37½ 39+ 37
q 24.	D Lower L.	86	0	10	6	80	39	48	80	39	48	29, 91½	38+	30+
h 25.	Jupiter's Center.	32	4	14	0	30	17	8	30	17	7	29, 86	39	31+
o 26.	o Lower L. o Upper L.	64 63	8 15	11 7	0 5	60 59	30 58	32 6	59 59	30 58	8	29, 76	37	29
D 27.	Jupiter's Center.	32	4	4	11	30	15	7, 5	30	15	7	29, 56	36+	27-
q 29.	o Upper L. o Lower L. Jupiter's Center.	62 63 32	12 5 3	3 6 11	7 4 5	58 59 30	50 22 13	28 43 3	59 59 30	50 22 13	42 42 0	29, 57 29, 57	36 35+	36+ 31½
u MAR. 1.	o Upper L. o Lower L.	62 62	5 14	12 14	4 9	58 58	27 59	47 57	58 58	27 59	47 56	29, 60	35+	35+
q 2.	o Upper L. o Lower L.	61 62	15 8	3 6	0 0	58 58	4 36	38 56	58 58	4 36	55	29, 75	35+	33½
q 13.	D Upper L.	28	3	2	0	26	25	59	26	25	57	29, 99	43-	42½
q 14.	o Upper L.	56	15	7	7	53	24	23				30, 25	42	43

In MARCH MDCCCLXIV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in.	With- out.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
14.	☉ Lower L.	57	8	9	8	53	56	29	53	56	30			
15.	☽ Upper L.	38	13	6	0	36	24	31	36	24	30	30, 17½	43 +	42 +
16.	☉ Lower L.	56	11	3	0	53	9	20				30, 07	40	49 -
	☉ Upper L.	56	2	0	5	52	37	7	52	37	7			
	Venus's Center.	42	8	3	6	39	51	23	39	51	21	30, 04	48	51½
	Jupiter's Center.	31	14	2	3	29	53	27,5	29	53	25	30, 03½	48	50½
	☽ Upper L.	46	0	10	0	43	9	41,8	43	9	40	30, 03	45½	44½
17.	☽ Upper L.	53	14	12	4	50	33	10,3	50	33	7	30, 09	43	46
18.	☉ Upper L.	55	4	8	0	51	49	34				30, 12	44	42
	☉ Lower L.	55	13	10	10	52	21	49	52	21	51			
20.	☽ Lower L.	76	14	10	5	72	6	30	72	6	30	30, 18	41	33½
21.	☉ Lower L.	54	9	8	0	51	10	54				30, 19	42 +	43 -
	☉ Upper L.	54	0	5	5	50	38	41	50	38	40			
	☽ Lower L.	82	2	4	4	77	0	28	77	0	30	30, 09	41	32
22.	☉ Upper L.	53	9	9	12	50	15	4				30, 05	42 +	42 -
	☉ Lower L.	54	2	12	6	50	47	16	50	47	16			
	Mars's Center.	77	11	4	2	72	50	50	72	50	50	30, 05	43	34
	☽ Lower L.	85	7	13	8	80	8	51	80	8	52	30, 05	43	34
23.	☉ Lower L.	53	12	0	11	50	23	37				30, 17	42	41
	☉ Upper L.	53	2	14	0	49	51	21	49	51	23			
29.	☉ Upper L.	50	10	14	2	47	30	46				29, 70	47	50 -
	☉ Lower L.	51	4	0	6	48	2	54	48	2	53			
30.	☉ Lower L.	50	13	6	6	47	39	37				29, 88	48	50 -
	☉ Upper L.	50	4	4	2	47	7	28	47	7	29			
	Venus's Center.	35	15	10	10	33	43	51	33	43	49	29, 86	49 +	51
APR. 2.	☉ Upper L.	49	0	9	2	45	58	15				30, 07½	49	50
	☉ Lower L.	49	9	11	2	46	30	20	46	30	20			
	Venus's Center.	34	12	1	2	32	34	56	32	34	57	30, 07½	51½	53½
4.	☉ Lower L.	48	12	11	0	45	44	36				30, 16½	51	54½
	☉ Upper L.	48	3	9	0	45	12	31	45	12	30			
6.	☉ Upper L.	47	6	10	7	44	27	9				29, 82	50	49½
	☉ Lower L.	47	15	12	7	44	59	14	44	59	12			
8.	☉ Lower L.	47	3	1	4	44	14	35				29, 37	49 -	49 -
	☉ Upper L.	46	9	14	7	43	42	20	43	42	19			
9.	☉ Upper L.	46	3	9	7	43	20	8	43	20	8	28, 75	49½	52
	Venus's Center.	32	3	3	6	30	11	16	30	11	14	28, 75½	51	51
11.	☽ Upper L.	35	11	14	4	33	30	34	33	30	34	29, 08	48	45 -
12.	☉ Lower L.	45	9	15	0	42	46	11				29, 39	49½	54
	☉ Upper L.	45	0	13	6	42	14	12	42	14	13			
	☽ Upper L.	42	4	1	0	39	36	47	39	36	45	29, 45	49	44½
13.	☉ Upper L.	44	10	11	3	41	52	37				29, 41	49	49½
	☉ Lower L.	45	3	12	8	42	24	34	42	24	33			
	Venus's Center.	30	15	2	0	29	0	40	29	0	40	29, 38	50	52
	☽ Upper L.	49	11	3	3	46	35	38	46	35	36	29, 35½	48½	41 +
15.	☉ Lower L.	44	7	9	0	41	41	35	41	41	34	29, 75	47	47
17.	☽ Lower L.	79	12	13	10	74	48	57	74	48	57	29, 70	47 -	34 -
18.	☉ Lower L.	43	5	9	9	40	38	27				29, 78½	44	47½
	☉ Upper L.	42	12	8	8	40	6	34	40	6	34			
19.	☽ Lower L.	86	7	4	11	81	3	10	81	3	10	30, 14	43	35½
20.	☽ Upper L.	85	14	4	3	80	31	24	80	31	26	30, 14	42	34
21.	☉ Upper L.	41	11	0	8	39	5	3				30, 13	44 +	49½
	☉ Lower L.	42	4	1	9	39	36	56	39	36	56			
	Venus's Center.	28	15	0	0	27	7	44	27	7	42	30, 10	47	54½
22.	☉ Lower L.	41	14	6	7	39	16	54				30, 12	46	46
	☉ Upper L.	41	5	5	6	38	45	1	38	45	3			
	Venus's Center.	28	11	12	1	26	56	29	26	56	29	30, 09	47½	47½
23.	☉ Upper L.	40	15	11	0	38	25	9				30, 01½	47	50 -
	☉ Lower L.	41	8	12	6	38	57	6	38	57	7			
24.	☉ Lower L.	41	3	2	9	38	37	23				29, 97	49	49
	☉ Upper L.	40	10	1	4	38	5	26	38	5	26			
25.	☉ Upper L.	40	4	8	5	37	45	54				29, 87	50 +	50
	☉ Lower L.	40	13	10	4	38	17	58	38	17	56			
26.	☉ Lower L.	40	8	2	0	37	58	34				29, 57	48 -	39
	☉ Upper L.	39	15	1	2	37	26	44	37	26	44			
MAY 1.	☉ Lower L.	38	13	11	0	36	25	37				29, 49	53	56½
	☉ Upper L.	38	4	11	5	35	54	3,8	35	54	3			

In MAY MDCC LXIV.

DAY of the MONTH.		Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
			By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.	
			Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
4	3.	☉ Upper L. ☉ Lower L. Venus's Center.	37 38 27	10 3 4	9 10 8	5 0 9	35 35 25	18 50 34	28 14 43,2		35 25	50 34	12 43	30, 00 30, 00	56+ 58	62- 62
h	5.	☉ Upper L. ☉ Lower L. Venus's Center. ☉ Center, by estimation.	37 37 27 24	0 9 2 14	13 13 12 1	0 5 4 10	34 35 25 23	44 15 28 19	6 50 29 36		34 25 23	15 50 28 19	50 29 34	30, 00 30, 00 30, 00	56 58 59	59 62+ 63
☉	6.	☉ Lower L. ☉ Upper L. ☉ Upper L.	37 36 26	5 12 0	1 5 12	5 7 5	34 34 24	59 27 25	8 18 13		34 34 24	27 27 25	16 16 12	30, 16 30, 16 30, 14	57 57 60	59½ 59½ 62½
h	7.	☉ Upper L. ☉ Lower L. Venus's Center. ☉ Upper L.	36 37 27 29	7 0 1 2	5 6 12 2	9 6 0 0	34 34 25 27	10 42 24 18	51 40 54 43		34 25 27	42 39 24 18	55 55 43	30, 01 29, 98 29, 95	60 62+ 64½	60+ 71+ 69½
δ	8.	☉ Upper L.	33	11	4	0	31	35	48		31	35	48	29, 91	65	68
4	10.	☉ Upper L.	46	5	14	4	43	28	13		43	28	15	29, 37	60+	56
☉	13.	☉ Lower L. ☉ Upper L. Venus's Center. ☉ Upper L.	35 34 27 69	5 12 3 4	15 14 2 0	5 10 10 6	33 32 25 64	9 37 29 55	42 55 54 24		32 25 64	37 29 53 55	23	29, 46 29, 50 29, 56	53 56 54	54 57 47
h	14.	☉ Upper L.	34	8	14	0	32	23	43		32	23	41	29, 33	55	57½
4	17.	☉ Lower L.	86	9	13	7	81	12	7		81	12	8	29, 90	54	46
♀	18.	☉ Lower L. ☉ Upper L. Venus's Center. ☉ Upper L.	34 33 27 84	2 9 9 13	6 5 6 10	2 11 0 3	32 31 25 79	0 29 51 32	53 10 42,5 57		31 25 79	29 51 32	10 42 57	29, 90 29, 88 29, 89	57 57 54	58½ 60+ 45½
☉	20.	☉ Upper L. Cloudy. ☉ Lower L. ☉ Upper L.	33 33 77	2 11 3	4 8 3	8 0 7	31 31 72	4 35 22	17 39 34		31 31 72	35 37 32	35	29, 88 29, 91½	58 56	63 59
h	21.	Venus's Center. ☉ Upper L.	27 71	15 11	2 9	6 0	26 67	12 14	1,4 24		26 67	11 14	59 24	30, 00 30, 08½	61 57	66- 52
♀	23.	☉ Lower L. ☉ Upper L. ☉ Upper L.	33 32 59	1 8 6	2 2 7	11 2 4	31 30 55	0 28 41	23 36 27		31 30 55	23 38 41	27	30, 20 30, 26	61 60+	66 61
♀	25.	☉ Upper L. ☉ Lower L. Venus's Center.	32 32 28	1 11 9	15 0 2	4 0 8	30 30 26	6 38 47	52 40 13		30 30 26	38 39 47	15	30, 26 30, 24	66+ 69	73½ 76-
h	26.	☉ Lower L. ☉ Upper L. Venus's Center.	32 31 28	8 15 12	0 0 1	9 6 0	30 29 26	28 56 57	16 35,1 24		29 26	56 57	33 22	30, 24½ 30, 21	68 69	72- 72+
☉	27.	☉ Upper L. ☉ Lower L. Venus's Center.	31 32 28	12 5 15	3 3 1	1 4 8	29 30 27	46 18 8	37 18 5,2		29 30 27	46 18 8	4	30, 14½ 30, 12	64+ 64	60+ 61½
h	28.	☉ Lower L. ☉ Upper L. Venus's Center.	32 31 29	2 9 2	7 7 4	0 0 10	30 29 29	8 36 19	34 55 19,6		29 29	36 54 19	54	30, 07½ 30, 05	60½ 62	56½ 59½
h	JUNE 4.	☉ Upper L.	30	9	5	9	28	40	23		28	40	22	29, 90	53	54½
δ	5.	Mars's Center.	80	15	13	8	75	55	43		75	55	44	30, 04	52	42½
♀	6.	Venus's Center. ☉ Upper L. Mars's Center.	31 44 80	5 2 15	0 2 14	0 0 0	29 41 75	21 22 55	19,7 28 48		29 41 75	21 22 55	17 27 47	30, 09 30, 08½ 30, 09	55 56 54	56 57½ 46
4	7.	☉ Upper L. ☉ Lower L. ☉ Upper L. Mars's Center.	30 30 51 80	4 13 3 15	1 2 7 14	8 2 4 4	28 28 48 75	21 53 0 55	55 40 54 52		28 48 75	53 0 55 55	40 56 54	30, 04 30, 00 29, 97	55 57 54+	60 58 48
☉	10.	☉ Upper L. Mars's Center.	73 80	1 15	12 12	6 0	68 75	32 55	30 22		68 75	32 55	28 22	29, 54 29, 57	57 56	55 51½
δ	12.	☉ Lower L. ☉ Upper L.	30 29	6 13	11 10	0 8	28 27	31 59	0 17		27	59	18	29, 91	59	64
♀	13.	☉ Upper L. ☉ Lower L. Venus's Center.	29 30 33	12 5 6	12 12 6	0 4 4	27 28 31	56 27 18	4 46 43,7		28 31	27 18	45 43	30, 05½ 30, 05	62 65+	67 72-
4	14.	Mars's Center. ☉ Lower L.	80 86	15 2	5 15	0 10	75 80	53 47	50 59		75 80	53 48	50 0	29, 97 29, 97	65 64	60 57
♀	15.	Mars's Center.	80	15	0	0	75	52	44		75	52	43	30, 07	64	55
h	16.	☉ Lower L. ☉ Upper L.	30 29	3 10	8 8	6 0	28 27	19 48	54 9		27	48	8	30, 08	65	71½

In JULY MDCCCLXIV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
h 16.	☾ Upper L.	79	3	15	8	74	17	43	74	17	43	30, 00	63	53
☉ 17.	☉ Upper L.	29	10	2	3	27	46	53				29, 90½	61½	71+
	☉ Lower L.	30	3	2	8	28	18	37	28	18	36			
	Venus's Center.	34	11	4	5	32	32	8	32	32	6	29, 92½	69	75
	Mars's Center.	80	14	12	9	75	52	0	75	52	0	29, 89	67	63½
	☾ Upper L.	73	15	11	0	69	21	24	69	21	23	29, 88	65	59½
h 20.	☉ Lower L.	30	2	6	0	28	15	51				30, 05	63	64½
	☉ Upper L.	29	9	6	0	27	44	12	27	44	12			
	Venus's Center.	35	11	8	10	33	29	20, 8	33	29	22	30, 04	65	66
	Mars's Center.	80	14	3	0	75	49	52, 7	75	49	51	30, 04	61	53
h 21.	☉ Upper L.	29	9	5	9	27	44	8				30, 00	65+	70½
	☉ Lower L.	30	2	6	0	28	15	51	28	15	50			
h 22.	☉ Lower L.	30	2	7	8	28	16	12				29, 88	65½	68
	☉ Upper L.	29	9	8	0	27	44	39	27	44	37			
	Mars's Center.	80	13	14	5	75	48	52	75	48	54	29, 87	68	64½
h 23.	☉ Upper L.	29	9	12	11	27	45	42				29, 85	68	74½
	☉ Lower L.	30	2	12	4	28	17	14	28	17	16			
h 27.	☉ Upper L.	29	11	14	0	27	53	0				29, 67½	64+	68½
	☉ Lower L.	30	4	13	11	28	24	36	28	24	35			
h 28.	☉ Lower L.	30	5	10	9	28	27	25				29, 42	63	65½
	☉ Upper L.	29	12	11	0	27	55	51	27	55	52			
h 29.	☉ Upper L.	29	13	10	0	27	59	9				29, 52	62	62-
	☉ Lower L. Hazy.	30	6	9	6	28	30	40	28	30	40			
☉ JULY 1.	☉ Upper L.	29	15	13	0	28	6	50				29, 94	64	65½
	☉ Lower L.	30	8	12	5	28	38	20	28	38	20			
	Venus's Center.	39	10	3	0	37	9	34	37	9	34	29, 94	65+	69+
h 4.	Venus's Center.	40	11	6	5	38	10	4, 4	38	10	3	29, 95½	68+	71½
h 5.	☉ Lower L.	30	14	9	0	28	58	41				29, 92	65	65
	☉ Upper L.	30	5	9	6	28	27	9	28	27	8			
h 7.	☉ Upper L.	30	9	2	4	28	39	39				30, 04	64	63½
	☉ Lower L.	31	2	2	0	29	11	13	29	11	14			
	Venus's Center.	41	12	4	10	39	9	29	39	9	28	30, 04½	65	67-
	☾ Upper L.	70	13	14	10	66	26	26, 8	66	26	25	30, 06	66	65+
	Mars's Center.	80	13	5	3	75	46	51	75	46	51	30, 08½	65	60+
☉ 8.	☉ Lower L.	31	4	1	0	29	18	2				30, 12	64	65½
	☉ Upper L.	30	11	1	8	28	46	31	28	46	32			
	Venus's Center.	42	1	13	0	39	28	52	39	28	54	30, 10	66	70+
	☾ Upper L.	77	1	2	8	72	15	20	72	15	22	30, 08½	67	66+
	Mars's Center.	80	13	7	7	75	47	21, 5	75	47	24	30, 10	66	61+
h 9.	☉ Upper L.	30	13	3	6	28	53	57				30, 03	65+	67½
	☉ Lower L.	31	6	3	0	29	25	30	29	25	30			
	Venus's Center.	42	7	4	13	39	48	13	39	48	13	30, 00	67	71
h 11.	☉ Lower L.	31	10	12	10	29	41	42				29, 63	66	66
h 13.	☉ Lower L. } Very cloudy	31	15	7	1	29	58	2				29, 70	62	61½
	☉ Upper L. } and hazy.	31	6	8	5	29	26	41	29	26	41			
	Mars's Center.	80	14	11	7	75	51	45	75	51	44	29, 69	63	58-
h 17.	☾ Upper L.	57	11	0	7	54	5	2	54	5	4	29, 97	62	56½
h 18.	☉ Lower L.	32	13	8	0	30	47	27	30	47	27	29, 92½	62	72-
	☾ Upper L.	51	3	2	0	47	59	44, 2	47	59	44	29, 82½	63	56
h 19.	☉ Upper L. Very uncertain.	32	7	9	5	30	26	40				29, 88	64	67
	Venus's Center.	45	9	6	2	42	44	14	42	44	14	29, 89	65½	68
h 21.	☉ Lower L.	32	14	2	3	30	49	42				29, 90	66	70½
	☉ Upper L.	33	7	2	4	31	21	22	31	21	20			
h 25.	☉ Lower L. } Hazy.	34	5	6	3	32	11	27				29, 79½	64½	69
	☉ Upper L. }	33	12	6	1	31	39	46	31	39	44			
h 28.	☉ Upper L.	34	8	0	0	32	20	37				29, 98	62	67
	☉ Lower L.	35	0	15	11	32	52	14	32	52	14			
	Mars's Center.	81	6	6	3	76	18	42, 7				29, 97	64	61
☉ 29.	☉ Upper L.	34	12	1	0	32	34	54				30, 02	63	67
	☉ Lower L.	35	5	0	12	33	6	32						
h AUG. 6.	☉ Upper L.	36	15	8	11	34	39	29				29, 66	64	66½
	☉ Lower L.	37	8	9	0	35	11	21						
h 9.	☉ Lower L.	38	7	2	10	36	2	43				29, 69	59½	61½
	☉ Upper L.	37	14	2	0	35	30	54						
☉ 12.	☾ Upper L.	67	0	9	3	62	50	47	62	50	45	29, 61	68½	51½
h 13.	☉ Upper L. Very hazy.	39	2	9	6	36	42	52	36	42	52	29, 54	60	63

In SEPTEMBER MDCCCLXIV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	With- in. Deg.	With- out. Deg.
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.			
13.	Upper L.	47	5	15	8	44	24	45	44	24	43	29, 65	67	50
16.	Lower L.	40	11	10	9	38	11	1				29, 68	60	64½
	Upper L.	40	2	10	0	37	39	13	37	39	12			
17.	Upper L.	40	8	1	4	37	58	25				29, 95	59½	63
	Lower L.	41	1	1	12	38	30	11	38	30	11			
20.	Lower L.	42	1	14	1	39	29	6,5				29, 74	58	61
21.	Upper L.	41	14	8	10	39	17	24				30, 02	61	64
	Lower L.	42	7	9	2	39	49	7	39	49	6			
22.	Lower L.	42	13	5	1	40	9	19				30, 18	62+	65
	Upper L.	42	4	4	10	39	37	36	39	37	36			
24.	Upper L.	42	15	15	2	40	18	40				30, 17	63	64
	Lower L.	43	9	0	5	40	50	28						
25.	Upper L.	43	5	14	2	40	39	26				30, 02	63	65-
	Lower L.	43	14	15	0	41	11	16	41	11	16			
27.	Upper L. { dubious.	44	1	11	7	41	21	3				30, 01		69
	Lower L. {	44	10	14	6	41	53	20						
28.	Lower L. Naked eye.	45	0	14	9	42	14	29	42	14	29	29, 95		67+
SEPT. 3.	Upper L.	46	13	0	11	43	53	23	43	53	22	29, 72		63
8.	Lower L.	48	15	9	3	45	54	46				29, 26		61½
	Upper L.	48	6	8	2	45	22	53						
14.	Lower L.	51	13	1	7	48	34	47				29, 40		58
	Upper L.	51	4	0	10	48	2	59	48	2	57			
	Jupiter's Center.	30	15	12	6	29	2	58	29	2	59			
	Venus's Center.	43	4	14	10	40	36	3,3	40	36	3			
15.	Upper L.	51	10	9	0	48	25	51				29, 72		59
	Lower L.	52	3	10	0	48	57	44	48	57	45			
16.	Mars's Center.	82	15	10	3	77	47	27	77	47	29	29, 44		53½
	Venus's Center.	43	3	4	4	40	30	14,5	40	30	13	29, 78		51½
17.	Upper L.	52	7	12	10	49	12	25				29, 82		55
	Lower L.	53	0	14	6	49	44	26	49	44	25			
22.	Upper L.	54	9	0	2	51	9	10				29, 99		60
	Lower L.	55	2	1	9	51	41	9						
23.	Lower L.	55	8	12	5	52	4	36				29, 92		50½
	Upper L.	54	15	10	10	51	32	36	51	32	36½			
	Venus's Center.	43	2	13	6	40	28	44	40	28	43	30, 24		40
24.	Lower L.	55	15	6	12	52	28	0				30, 24		50
	Upper L.	55	6	5	5	51	56	1	51	56	0			
	Venus's Center.	43	3	7	2	40	30	52	40	30	54			
25.	Lower L.	56	6	2	0	52	51	32				30, 44		48
	Upper L.	55	13	0	3	52	19	30	52	19	30			
	Mars's Center.	82	11	8	0	77	32	56	77	32	56			
29.	Upper L.	57	7	10	10	53	33	13				29, 93		45
	Lower L.	58	0	12	7	54	25	15	54	25	16½			
OCT. 1.	Lower L.	77	11	2	1	72	50	23	72	50	25	29, 59		50
	Venus's Center.	44	2	8	10	41	23	57	41	23	57			
5.	Upper L.	59	15	5	7	56	12	42				30, 10		49
	Lower L.	68	8	7	11½	56	44	51	56	44	54			
	Lower L.	72	1	12	12½	67	36	21,6	67	36	19	30, 10		46
6.	Upper L.	60	5	14	9	56	35	48				30, 06		54
	Lower L.	60	15	0	10	57	7	54						
7.	Mars's Center.	81	15	0	5	76	49	4,1	76	49	4	29, 93		51½
	Lower L.	59	6	5	8	55	41	4½	55	41	6	29, 96		45½
14.	Lower L.	64	2	10	4	60	9	17,7				29, 86		47
	Upper L.	63	9	8	0	59	37	9	59	37	8			
15.	Upper L.	63	15	12	7	59	59	14				30, 14		50
	Lower L.	64	8	15	3	60	31	28	60	31	25			
18.	Lower L.	32	15	1	2	30	52	59	30	52	55	29, 90		42
19.	Upper L. { Hazy.	65	8	12	9	61	27	10				29, 91		53½
	Lower L. {	66	1	15	5	61	59	24	61	59	26			
20.	Lower L.	44	15	10	10	42	10	6	42	10	4½	29, 94		54
21.	Lower L.	66	4	15	0	62	9	51				29, 97		60
	Upper L.	66	14	2	0	62	42	9	62	42	9			
24.	Upper L. Very hazy.	67	6	14	0	63	12	55				30, 14		43½
	Mars's Center.	79	14	6	0	74	54	17	74	54	18	30, 10		43
26.	Upper L.	68	2	9	7	63	54	7				29, 58		40½
	Lower L.	68	11	12	8	64	26	26	64	26	24			

IN NOVEMBER MDCC LXIV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.		
		By the exterior Divisions.				By the exterior Divis. reduced.			By the interior Divisions.			Inches.	With- in. With- out.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.		Deg.	Deg.
h 27.	Mars's Center.	79	6	12	8	74	27	36	74	27	35	29, 73		38
o 28.	o Lower L.	69	7	4	1	65	6	45				29, 89		40
	o Upper L.	68	14	1	0	64	34	26	64	34	26½			
g 31.	o Lower L.	70	8	0	7	66	5	44				29, 74		38
	o Upper L.	69	14	13	6	65	33	25						
	o Lower L.	79	2	5	9	74	12	1,8	74	12	1	29, 83		41
	Saturn's Center.	38	12	13	0	36	22	33	36	22	32	29, 99		33
All the Observations, till this time, of the Thermometer were made by Mr. Blifs's, which is always one Division lower than Mr. Bird's, which is now hung out of doors, and to be noted in the following Observations.														
h Nov. 1.	o Upper L.	70	4	4	7	65	52	33				30, 13		41-
	o Lower L.	70	18	7	4	66	24	48	66	24	49			
o 4.	o Upper L.	71	4	4	7	66	48	41				29, 77		45
	o Lower L.	71	13	7	4	67	21	4	67	21	5			
	Mars's Center.	77	15	15	9	73	7	25,8	73	7	28	29, 82		45
	o Lower L.	54	13	13	3	51	26	6	51	26	6	29, 86		44
h 5.	o Upper L.	71	9	6	9	67	6	51				29, 94		47
	o Lower L.	72	2	10	0	67	39	14	67	39	15			
g 6.	Saturn's Center.	38	15	0	7	36	30	21	36	30	22	29, 07		40
g 7.	Saturn's Center.	38	15	6	5	36	31	38	36	31	38	29, 74		37
h 10.	o Upper L.	25	9	6	9	23	59	21	23	59	19	29, 77		43
	β Tauri.	24	9	15	6	23	5	2	23	5	0	29, 77		43
g 13.	o Lower L.	74	9	1	5	69	54	27				29, 76		41
g 16.	o Lower L.	75	6	0	1	70	39	51				29, 99		38
	o Upper L.	74	12	13	9	70	7	42	70	7	41			
o 18.	o Upper L.	75	5	0	8	70	36	28				29, 91		43
	o Lower L.	75	14	4	1	71	8	12	71	8	13			
h 29.	o Lower L.	78	3	11	8	73	20	36				29, 99		41
	o Upper L.	77	10	8	2	72	48	12	72	48	12			
	o Lower L.	69	11	4	6	65	20	54	65	20	54	30, 02		41
g 30.	o Upper L.	77	12	3	5	72	53	10				29, 43		40
	o Lower L.	78	6	7	8	73	30	15	73	30	16			
h DEC. 3.	Mars's Center.	71	1	4	3	66	38	12	66	38	11½	30, 02		37
	Jupiter's Center.	39	8	1	5	37	2	11	37	2	10	30, 04		35
h 6.	o Upper L.	29	1	12	4	27	17	28,1	27	17	23	28, 85		39
g 7.	o Upper L.	78	12	15	7	73	53	6				28, 97		40
	o Lower L.	79	6	3	9	74	25	39,2	74	25	40			
	o Upper L.	26	4	8	0	24	38	19,2	24	38	12	29, 29		37
h 8.	o Lower L.	79	7	15	1	74	13	40,3				29, 55		41
h 17.	o Lower L.	80	1	13	2	75	6	24,3				29, 79		36
	o Upper L.	79	8	9	0	74	33	51	74	33	50			
o 23.	o Upper L.	79	9	4	0	74	36	16,2				29, 56		38
h 24.	o Lower L. Very dubious.	80	2	1	2	75	7	17,1				29, 62		33
	Saturn's Center.	39	12	7	0	37	17	28,5	37	17	27	29, 63		30
	Jupiter's Center.	30	13	4	0	28	54	4,9	38	54	2	29, 63		29
h 29.	o Lower L.	79	14	3	9	74	53	46,7				29, 59		30
	o Upper L.	79	3	15	7	74	17	42,6						
	o Lower L.	52	7	1	8	49	9	57,7				29, 60		28
o 30.	o Lower L.	79	13	1	0	74	49	40,0				29, 49		33
	o Upper L.	79	3	13	2	74	17	11,2	74	17	9			
	Saturn's Center.	39	13	0	5	37	19	32,2	37	19	31	29, 52		28
h 31.	o Upper L.	79	2	8	5	74	12	37,3				29, 57		34
	o Lower L.	79	11	12	5	74	45	8,5	74	45	9			
	Mars's Center.	62	9	7	11½	58	40	52,2	58	40	49	29, 53		31
	γ Arietis.	35	8	13	7	33	19	50,9	33	19	50	29, 51		29
	o Lower L.	40	4	3	1	37	44	44,3	37	44	40			

In JANUARY MDCCCLXV.

DAY of the MONTH.	Names or Characters of the Sun, Planets, and fixed Stars.	ZENITH DISTANCES									BARO- METER	THERMO- METER.			
		By the exterior Divisions.				By the exterior Divif. reduced.			By the interior Divisions.			Inches.	Deg.	Deg.	
		Div.	Part.	Vern.	Sec.	D.	M.	S.	D.	M.	S.				
8 JAN. 16.	☉ Upper L. ☉ Lower L.	76 77	12 5	11 15	4 6	71 72	59 32	40,3 13,4				29, 59		44	
17.	Saturn's Center.	39	12	12	1	37	18	35,5				29, 60		40	
20.	Jupiter's Center. Pollux.	30 24	5 6	5 12	7 5	28 22	26 53	17,6 48,8	28	26	11	29, 54			
26.	Saturn's Center.	39	11	7	5	37	14	2,6	37	14	3	29, 94		39	
28.	☉ Upper L. } Hazy. ☉ Lower L. }	73 74	13 6	3 7	8½ 6	69 69	14 45	45,2 13,9		69	45	15	30, 17		44
☉ FEB. 3.	☉ Lower L. Jupiter's Center. Pollux. ☉ Upper L.	72 30 24 27	9 2 6 7	8 6 12 1	10 5 6 1	68 28 22 25	3 15 53 43	33,9 56,0 49,8 35,7		28	15	53	30, 01 29, 96		33 27
4.	Mars's Center. Very faint. Saturn's Center. Jupiter's Center.	51 39 30	3 9 2	5 7 4	11 3 12	48 37 28	0 6 15	35 58,7 36,0	48 37 28	0 6 15	35 57 34	29, 87 29, 85 29, 80		30 27 24	
8 12.	☉ Upper L. ☉ Lower L.	68 69	15 7	11 15	11 6	64 65	40 9	20,1 15,3		65	12	47	29, 64		38
8 13.	☉ Lower L. ☉ Upper L.	69 68	3 9	3 15	10 2	64 64	52 19	37,4 58,2		64	15	5	29, 60		36
8 15.	☉ Lower L. ☉ Upper L.	67 67	11 2	10 7	3 0	63 62	29 57	40,1 19,2				29, 76		29	
☉ 24.	☉ Lower L. ☉ Upper L.	65 64	0 7	7 4	5 5	60 60	57 25	52,3 34,3		60	25	31	29, 99		41
8 26.	☉ Lower L. ☉ Upper L.	64 63	3 10	12 8	0 11	60 59	13 40	11,0 50,8		59	40	48	29, 74		43
h MAR. 2.	☉ Lower L. ☉ Upper L. Jupiter's Center. ☉ Upper L.	62 62 29 26	9 0 15 3	14 12 10 5	10 0 12 10	58 58 28 24	42 10 6 34	23,0 8,2 22,9 18,7		58 28 24	10 6 34	7 20 14	28, 78 28, 99		42 35
☉ 3.	☉ Upper L. ☉ Lower L.	61 62	10 3	3 6	1 5	57 58	47 19	4,9 26,9		58	19	25	29, 24		38
17 7.	☉ Lower L.	53	14	2	13	50	31	7,5	50	30	54	29, 65		36	
h 9.	☉ Lower L.	59	11	11	4	59	59	54,3				29, 48		45	

DAILY RATE of the TRANSIT CLOCK, deduced from the TRANSITS of the FIXED STARS.

DAY of the MONTH.	No. of Days.	No. of Com- pari- sons.	Daily Rate of Clock.	DAY of the MONTH.	No. of Days.	No. of Com- pari- sons.	Daily Rate of Clock.	DAY of the MONTH.	No. of Days.	No. of Com- pari- sons.	Daily Rate of Clock.
1762			"	1763			"	1763			"
Aug. 27-29	2	8	-0,89	Feb. 19-20	1	5	-1,15	Aug. 17-20	3	11	+2,02
29-30	1	11	-0,59	23-25	2	1	-0,87	23	3	12	+1,25
31	1	5	-1,90	March 3-4	1	9	-0,61	24	1	3	-0,08
29-31	2	12	-1,44	Feb. 23-Mar. 5	13	8	-0,71	23-27	4	10	+0,34
Sept. 1. Clock put back 1' 9", and Pendulum altered.				March 4-5	1	9	-1,17	28	1	10	+0,67
Sept. 1-4	3	19	-1,78	6	1	15	-1,08	30	2	7	+0,73
5	1	10	-1,45	7	1	13	-1,58	28-31	3	14	+0,68
7	2	13	-1,11	9	2	21	-1,55	Aug. 30-Sep. 1	2	16	+0,54
11	4	17	-0,91	12	3	8	-1,27	3	2	15	+1,02
12	1	5	+1,10	Mar. 13. A little before the Sun passed, the Clock and bob of Pendulum were altered.				14	11	9	+0,38
11-14	3	16	+1,00	March 13-14	1	13	-0,21	18	4	10	+0,25
Sept. 15. The Pendulum and Clock altered at 17 ^h 50' by the Clock.				15	1	10	-0,70	15-21	6	10	+0,17
Sept. 15-18	3	9	+0,39	14-22	8	15	-0,55	22	1	5	+0,10
20	2	8	-0,06	24	2	15	-0,80	24	2	15	-0,26
18-25	7	9	-0,12	26	2	15	-1,04	27	3	12	-0,31
28	3	15	+0,44	27	1	10	-1,20	30	3	15	-0,86
Oct. 5	7	11	+0,43	30	3	10	-1,25	Oct. 2	2	20	-0,09
7	2	13	-0,69	April 9	10	15	-0,92	4	2	17	-0,15
8	1	14	-0,41	10	1	9	-1,16	5	1	9	-0,75
13	5	16	-0,54	12	2	5	-1,12	6	1	10	-0,95
8-12	4	5	-0,54	Apr. 13. At 4 ^h the bob of Pendulum was screwed up 2 divisions, and Clock set as before.				5-7	2	15	-1,10
13-16	3	6	-0,55	April 13	1	10	-0,42	10	3	36	-1,30
18	2	10	-0,27	14	1	26	+0,03	11-12	1	5	+1,35
21	3	13	+0,59	15	1	20	0,00	13	1	5	+1,45
23	2	13	+0,62	21	6	12	+0,66	11-14	3	33	+1,21
27	4	4	+0,14	22	1	3	0,00	16	2	26	+1,12
23-28	5	15	+0,06	21-23	2	5	-0,02	17	1	13	+1,23
29	1	11	+0,04	22-25	3	5	0,00	18	1	15	+0,86
Nov. 2	4	6	-0,03	May 4	9	4	+0,32	21	3	18	+0,88
4	2	5	+0,10	5	1	3	-0,25	22	1	47	+0,32
9	5	7	-0,06	4-7	3	5	+0,20	26	4	15	+1,75
12	3	5	+0,28	7-11	4	4	+0,15	29	3	5	+1,53
15	3	3	+0,50	7-13	6	4	+0,35	27-29	2	14	+1,42
16	1	5	+0,60	17	4	4	+0,86	31	2	10	+2,48
17	1	5	+0,25	17-20	3	8	+1,00	Nov. 1	1	14	+2,34
16-21	5	4	+0,05	22	2	3	+0,83	2	1	14	+2,05
16-23	7	8	+0,07	28	6	6	+0,51	2-3	1	5	+1,85
25	2	4	+0,03	29	1	13	+0,67	2-6	4	15	+1,83
Dec. 20-23	3	4	+0,10	30	1	6	+0,83	3-7	4	5	+1,80
25	2	3	+0,21	May 29-June 1	3	14	+1,44	6-12	6	14	+1,81
27	2	3	+1,29	2	1	3	+1,50	13	1	5	+2,00
30	3	3	+0,94	1-9	8	10	+1,31	12-15	3	5	+1,95
1763				13	4	8	+1,42	17	2	5	+2,47
From the 30th of Dec. to Jan. 5, being 6 days, the Clock gat 41 ^h $\frac{1}{2}$ by the Observations of Arcturus. But by a note in the Transit Book, the two Clocks varied from each other only 1 ^h $\frac{1}{2}$ from the 1st to the 6th, so that the error seems to have commenced before the comparison of the Clocks on the 1st of January.				16	3	2	+0,16	18	1	10	+2,97
Jan. 2-6	4	2	+7,94	18	2	3	+1,50	19	1	8	+1,37
12	6	5	+5,42	19	1	2	+2,50	21	2	37	+1,50
14	2	5	+5,05	After the Observation of Spica Virginis the Clock was altered.				26	5	4	+1,43
6-14	8	11	+5,34	June 20	1	5	+2,80	28	2	3	+2,62
15	1	12	+4,92	21	1	8	+2,72	30	2	5	+3,00
16	1	14	+5,16	22	1	8	+3,03	Nov. 28-Dec. 2	4	10	+2,92
17	1	7	+5,00	21-24	3	5	+2,66	8	6	17	+1,10
23	6	5	+5,43	26	2	9	+2,27	9-11	2	5	+0,02
27	4	12	+5,27	28	2	5	+2,15	9-13	4	14	-0,09
Feb. 3	7	3	+5,39	29	1	5	+2,45	19	6	15	+0,14
2-11	9	5	+4,38	July 7	8	5	+2,77	20	1	13	+0,28
13	2	4	+4,53	22	15	5	+2,73	25	5	2	+0,62
At 20 ^h the Clock was stopped, and bob of Pendulum altered. The 20th the bob was altered again at 20 ^h .				25	3	8	+2,43	23-25	2	4	+0,65
				27	2	7	+2,37	30	5	12	+1,63
				24-29	5	4	+2,51	1764			
				August 2	4	4	+2,42	Jan. 1	2	4	+1,37
				4	2	4	+2,18	3	2	26	+0,11
				7	3	7	+2,36	11	8	19	+0,56
				Aug. 9. Clock and bob of Pendulum were altered.				14	3	20	+0,15
								15	1	1	+0,75
								14-17	3	10	+0,50
								20	3	5	+1,25
								21	1	5	+0,70
								23	2	15	+0,92
								26	3	5	+0,65
								27	1	5	+1,00
								29	2	5	+1,05

DAILY RATE of the TRANSIT CLOCK, deduced from the TRANSITS of the FIXED STARS.

DAY of the MONTH.	No. of Days.	No. of Com- pari- sons.	Daily Rate of Clock.	DAY of the MONTH.	No. of Days.	No. of Com- pari- sons.	Daily Rate of Clock.	DAY of the MONTH.	No. of Days.	No. of Com- pari- sons.	Daily Rate of Clock.
1764			"	1764			"	1764			"
Jan. 28-29	1	5	+0,70	April 15-21	6	13	-2,99	July 6-7	1	1	+1,00
31	2	5	+0,60	22	1	17	-2,94	8	1	32	+0,96
Feb. 1	1	2	+0,87	24	2	6	-3,05	9	1	8	+1,00
3	2	4	+0,84	22-26	4	6	-2,81	8-17	9	11	+1,11
1-4	3	20	+0,81	Apr. 26-May 1	5	12	-2,56	19	2	1	+1,50
7	3	31	+1,48	2	1	14	-2,34	18-22	4	7	+1,80
4-10	6	8	+1,05	5	3	13	-2,34	27	5	3	+0,76
11	1	7	+0,85	6	1	14	-2,10	23-24	1	3	+1,00
13	2	11	+1,70	7	1	18	-1,20	27-29	2	3	+1,04
11-14	3	5	+0,93	8	1	10	+0,52	August 4	6	5	+1,29
13-15	2	7	+1,09	9	1	2	+0,25	11	7	8	+1,44
14-16	2	2	+0,75	13	4	9	-1,20	13	2	13	+1,69
15-17	2	31	+0,77	14	1	5	-1,20	15	2	3	+1,70
18	1	32	+0,88	16	2	2	-0,87	13-21	8	8	+1,73
20	2	8	+0,64	17	1	1	-0,50	20-27	7	4	+1,60
21	1	3	-0,08	18	1	5	-0,85	22-28	6	5	+1,56
18-21	3	5	+0,43	16-19	3	5	-0,55	30	2	1	-0,75
24	3	10	-0,06	18-21	3	4	-0,89	Aug. 28-Sep. 3	6	4	+1,96
23-24	1	8	+0,06	22	1	10	-0,92	14-23	9	13	+1,67
25	1	11	+0,68	23	1	14	-0,48	16-25	9	15	+1,47
24-27	3	15	+0,72	24	1	3	-0,08	29	4	13	+1,10
28	1	3	+0,83	23-25	2	4	+0,40	Oct. 4	5	13	+0,60
27-29	2	3	+0,54	26	1	5	-0,10	5	1	13	+1,59
Feb. 27-Mar. 4	6	17	+1,17	27	1	10	-0,05	7	2	10	+1,00
Feb. 29-Mar. 4	4	2	+1,53	28	1	10	+0,02	15	8	3	+0,69
6	2	15	+2,77	29	1	5	0,00	17-18	1	4	+0,50
13	7	20	+2,91	May 29-June 5	7	13	-0,91	20	2	5	+1,02
The Pendulum let down 2 Divisions, Clock being stopt 1' 23".				6	1	18	-1,17	23	3	3	+0,97
March 15-16	1	3	-0,08	7	1	17	-1,25	24	1	7	-0,11
17	1	3	+0,08	10	3	18	-1,23	Nov. 4-12	8	10	+0,23
15-20	5	3	-0,25	14	4	31	-0,57	29	17	2	-0,87
17-22	5	3	-1,16	15	1	2	-0,37	Nov. 10-Dec. 6	26	9	-0,92
23-28	5	1	-1,90	14-16	2	6	-0,10	7	1	4	-1,43
23-29	6	14	-1,80	17	1	6	-0,83	16	9	7	-0,48
30	1	27	-1,40	19	2	5	-0,40	24	8	8	-0,35
31	1	19	-0,58	17-20	3	33	-0,60	29-31	2	3	+2,04
April 1-2	1	10	-1,60	21	1	10	-1,20	24-31	7	4	+0,64
3	1	10	-2,10	22	1	5	-0,95	1765			
12	9	9	-2,32	23	1	5	-0,40	Jan. 20-Feb. 3	14	7	+1,10
13	1	11	-2,29	28	5	4	-0,96	4	1	9	+2,02
14	1	13	-2,59	29	1	4	-1,56	3-18	15	13	+1,43
15	1	15	-1,19	30	1	3	-0,75	19	1	16	+1,78
14-19	5	1	-2,75	July. The Pendulum screwed up one Division.				March 2	11	12	+1,12

In the YEAR MDCC LXII.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
AUGUST.				SEPTEMBER.				NOVEMBER.			
30	<i>a Lyrae.</i> *	277	13 40,8	28	<i>a Aquilae.</i> *	294	47 59,1	2	<i>a Lyrae.</i> *	277	13 20,9
	<i>a Aquilae.</i> *	294	48 3,5		<i>1st L.</i>	322	11 27,5		<i>a Aquilae.</i> *	294	47 51,7
	<i>1st L.</i>	300	56 54,5								
31	<i>1st L.</i>	313	58 30,4	29	<i>Arcturus.</i> *	211	12 29,8	3	<i>Saturn's Center.</i>	19	8 56
	<i>Aldebaran.</i> *	65	34 44,8		<i>Venus's Center.</i>	227	56 29,8		<i>Jupiter's Center.</i>	33	10 51½
	<i>Rigel.</i> *	75	46 56,8						<i>Aldebaran.</i> *	65	35 12,1
	<i>a Orionis.</i> *	85	34 41,5						<i>1st L.</i>	66	12 56
	<i>Procyon.</i> *	111	42 44,5						<i>Capella.</i> *	74	48 17,1
									<i>Rigel.</i> *	75	47 24,8
									<i>Syrius.</i> *	98	40 29,7
SEPTEMBER.				OCTOBER.							
1	<i>a Lyrae.</i> *	277	13 40,7	4	<i>Saturn's Center.</i>	21	18 44,5				
	<i>a Aquilae.</i> *	294	48 3,1		<i>1st L.</i>	30	55 48				
	<i>a Cygni.</i> *	308	20 10		<i>Jupiter's Center.</i>	36	53 58½				
	<i>1st L.</i>	326	18 48,8		<i>Castor.</i> *	109	51 12,2				
	<i>Jupiter's Center.</i>	38	49 38½		<i>Procyon.</i> *	111	43 1,8				
	<i>Syrius.</i> *	98	40 0,4		<i>Pollux.</i> *	112	41 31,1				
5	<i>a Lyrae.</i> *	277	13 39	5	<i>a Aquilae.</i> *	294	47 57,6				
	<i>a Aquilae.</i> *	294	48 2,8		<i>Jupiter's Center.</i>	36	47 16				
	<i>1st L.</i>	11	44 43								
7	<i>a Lyrae.</i> *	277	13 39	7	<i>Venus's Center.</i>	236	51 30				
	<i>a Aquilae.</i> *	294	48 2,5		<i>a Aquilae.</i> *	294	47 57,2				
	<i>1st L.</i>	34	42 47		<i>Saturn's Center.</i>	21	5 24,8				
	<i>Jupiter's Center.</i>	38	43 35		<i>Regulus.</i> *	148	55 26,8				
11	<i>Capella.</i> *	74	47 44,5	11	<i>Saturn's Center.</i>	20	47 59,5				
	<i>Rigel.</i> *	75	47 1,8		<i>Jupiter's Center.</i>	36	7 14,5				
	<i>a Orionis.</i> *	85	34 46,7	12	<i>Venus's Center.</i>	311	47 13,5				
	<i>1st L.</i>	91	29 37,4		<i>a Lyrae.</i> *	277	13 27,5				
	<i>Syrius.</i> *	98	40 5,1	13	<i>Arcturus.</i> *	211	12 29,7				
	<i>Procyon.</i> *	111	42 49,1		<i>Venus's Center.</i>	243	49 30,3				
					<i>a Lyrae.</i> *	277	13 27,2				
					<i>a Aquilae.</i> *	294	47 54,3				
12	<i>Syrius.</i> *	98	40 5,4	14	<i>Saturn's Center.</i>	20	34 34				
	<i>1st L.</i>	108	00 15,6	18	<i>a Lyrae.</i> *	277	13 25,6				
	<i>Procyon.</i> *	111	42 49,5		<i>a Aquilae.</i> *	294	47 54,3				
	<i>Pollux.</i> *	112	41 16,6		<i>Saturn's Center.</i>	20	16 45				
14	<i>Venus's Center.</i>	210	58 5	21	<i>a Aquilae.</i> *	294	47 53,9				
	<i>a Aquilae.</i> *	294	48 1,5	26	<i>1st L.</i>	329	40 0,6				
	<i>a Cygni.</i> *	308	20 7,4		<i>Saturn's Center.</i>	19	42 27				
					<i>Jupiter's Center.</i>	32	14 8½				
16	<i>Jupiter's Center.</i>	38	21 27,7		<i>Regulus.</i> *	148	55 52,6				
	<i>Castor.</i> *	109	51 0,4	27	<i>a Aquilae.</i> *	294	47 53				
	<i>Procyon.</i> *	111	42 51,2		<i>1st L.</i>	341	12 5				
	<i>Pollux.</i> *	112	41 18,6	28	<i>Venus's Center.</i>	261	14 40				
17	<i>Arcturus.</i> *	211	12 34,3		<i>a Lyrae.</i> *	277	13 22,1				
	<i>Venus's Center.</i>	214	15 56,8		<i>a Aquilae.</i> *	294	47 52,8				
					<i>1st L.</i>	352	20 56,6				
18	<i>a Aquilae.</i> *	294	48 1,0	30	<i>Venus's Center.</i>	263	31 39½				
	<i>a Cygni.</i> *	308	20 7,4	31	<i>1st L.</i>	23	31 48				
	<i>Saturn's Center.</i>	22	22 27,8								
	<i>Castor.</i> *	109	51 1,8								
	<i>Procyon.</i> *	111	42 50								
20	<i>Castor.</i> *	109	51 2,5	NOVEMBER.							
	<i>Procyon.</i> *	111	42 52,9	1	<i>a Aquilae.</i> *	294	47 52				
	<i>Pollux.</i> *	112	41 20,6		<i>Saturn's Center.</i>	19	17 16½				
24	<i>1st L.</i>	267	55 30,8		<i>Jupiter's Center.</i>	33	26 54				
25	<i>a Lyrae.</i> *	277	13 32		<i>1st Center.</i>	38	31 44				
	<i>1st L.</i>	282	21 40		<i>Regulus.</i> *	148	55 37				
	<i>a Aquilae.</i> *	294	47 59,7		<i>Arcturus.</i> *	211	12 32				
28	<i>a Lyrae.</i> *	277	13 32	2	<i>Venus's Center.</i>	266	54 1				

In the YEAR MDCC LXIII.

Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.		Names of the Stars, &c.		Appar. Right Ascensions.	
J A N U A R Y.				F E B R U A R Y.				M A R C H.			
2	Aldebaran. a Orionis. Regulus.	*	65 35 19,7 85 35 24,5 148 56 5,9	27	Aldebaran. Capella. Rigel. a Lyrae.	*	65 35 10,7 74 49 2 75 47 26,3 277 13 32	24	Syrius. Castor. Procyon. Pollux.	*	98 40 35,7 109 51 47,8 111 43 31,8 112 42 6,4
6	Aldebaran. Capella. Rigel. Syrius. Castor. Procyon. Pollux.	*	65 35 19,1 74 48 28,2 75 47 29,7 98 40 57,8 109 51 56,7 111 43 34 112 42 8	M A R C H.				26	Capella. a Orionis. Syrius. Procyon. Pollux.	*	74 48 51,2 85 35 13,8 98 40 35,2 111 43 31,4 112 42 6,9
14	Aldebaran. Capella. Rigel.	*	65 35 19,1 74 49 12,8 75 47 33,3	4	Capella. Rigel. Procyon. Pollux.	*	74 48 58 75 47 23,6 111 43 34,5 112 42 9,5	27	Castor. Procyon. Pollux.	*	109 51 46,6 111 43 31,3 112 42 6,8
15	Aldebaran. Capella. Rigel. a Orionis.	*	65 35 18,3 74 49 12,1 75 47 33,5 85 35 25,2	5	Aldebaran. Capella. Rigel. a Orionis. Syrius. Pollux. a Aquilae.	*	65 35 8 74 48 57,3 75 47 33,3 85 35 17 98 40 39,7 112 42 9,3 294 48 1	30	Capella. Rigel. Procyon. Pollux.	*	74 48 49,7 75 47 17,9 111 43 30,7 112 42 5,2
16	Capella. Rigel. a Orionis.	*	74 49 12 75 47 33,4 85 35 25,2	6	Aldebaran. Capella. Rigel. a Orionis. Syrius.	*	65 35 7,8 74 48 57 75 47 23,1 85 35 16,9 98 40 39,5	A P R I L.			
17	Aldebaran. Capella. Rigel.	*	65 35 18 74 49 12 75 47 33,3	7	Capella. Rigel. a Orionis. Castor. Procyon. Pollux.	*	74 48 56,7 75 47 22,9 85 35 16,7 109 51 51 111 43 34,3 112 42 9,1	21	Capella. Rigel. Syrius. Castor. Regulus.	*	74 48 50,4 75 57 17,2 98 40 41,1 109 51 44 148 56 17
23	Aldebaran. a Orionis. Castor. Procyon. Pollux.	*	65 35 17,4 85 35 24,5 109 51 56,4 111 43 37,7 112 42 12,7	8	Regulus. a Aquilae.	*	148 56 19 294 48 1,7	22	Castor. Procyon. Pollux.	*	109 51 44,5 111 43 27,9 112 42 23,3
27	Aldebaran. Capella. Rigel. Castor. Procyon. Pollux.	*	65 35 16,7 74 49 10 75 47 32 109 51 56,8 111 43 38,5 112 42 13,2	9	Aldebaran. Capella. Rigel. Castor. Procyon. Pollux.	*	65 35 7 74 48 56 75 47 22 109 51 50,5 111 43 34 112 42 9	23	Procyon. Regulus.	*	111 43 27,6 148 56 16,6
F E B R U A R Y.				12	Capella. Rigel. Syrius.	*	74 48 56 75 47 22 98 40 38,5	25	Castor. Procyon. Pollux.	*	109 51 42,2 111 43 27,2 112 42 23,6
2	a Lyrae.	*	277 13 20	13	Syrius. Castor. Procyon. Pollux.	*	98 40 38,5 109 51 50,2 111 43 33,6 112 42 8,5	M A Y.			
3	Aldebaran. a Orionis. Arcturus.	*	65 35 15,6 85 35 24 211 13 9	14	Capella. Rigel. Syrius. Castor. Procyon. Pollux.	*	74 48 55 75 47 21,7 98 40 38,3 109 51 50 111 43 33,2 112 42 8,1	4	Procyon. Pollux. Regulus. Spica Virginis. Arcturus.	*	111 43 25,4 112 42 20,5 148 56 15 198 11 32,9 211 13 35,3
14	Aldebaran. a Orionis.	*	65 35 13,5 85 35 22,2	15	Capella. Rigel. a Orionis. Syrius.	*	74 48 54,8 75 47 21,5 85 35 15,5 98 40 38	5	Procyon. Regulus. Spica Virginis.	*	111 43 25,2 148 56 21,2 198 11 32,7
19	Capella. Rigel.	*	74 49 4,2 75 47 27,9	22	a Orionis. Syrius. Procyon. Pollux.	*	85 35 14 98 40 36,1 111 43 32 112 42 7	7	Pollux.	*	112 42 19
20	Capella. Rigel.	*	74 49 3,9 75 47 27,7	23	Syrius. Castor. Procyon. Pollux.	*	98 40 35,6 109 51 33,1 112 42 18,1 148 56 12,5	17	Syrius. Procyon. Pollux. Regulus.	*	98 40 35,6 111 43 33,1 112 42 18,1 148 56 12,5
23	a Orionis. Syrius. a Lyrae. a Aquilae.	*	85 35 20,6 98 40 43,3 277 13 30,4 294 47 56,5	24	Procyon. Regulus.	*	111 43 22,5 148 56 11,9	18	Procyon. Pollux.	*	111 43 23 112 42 18
25	Syrius. Procyon. Pollux.	*	98 40 43 111 43 37,4 112 42 12,5	27	a Orionis. Syrius. Procyon. Pollux.	*	85 35 14 98 40 36,1 111 43 32 112 42 7	20	Procyon. Regulus.	*	111 43 22,5 148 56 11,9
				28	Syrius. Castor. Procyon.	*	98 40 35,6 109 51 33,1 112 42 18,1	22	Regulus. Arcturus.	*	148 56 11,8 211 13 36

In the YEAR MDCC LXIII.

Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.	Names of the Stars, &c.	Appar. Right Ascensions.
M A Y.		J U N E.		J U L Y.	
	° ' "		° ' "		° ' "
23 <i>Regulus.</i> *	148 56 9	21 <i>Syrius.</i> *	98 40 54,5	22 <i>Arcturus.</i> *	211 13 27
<i>Spica Virginis.</i> *	198 11 31	<i>Procyon.</i> *	111 43 24,2	<i>Antares.</i> *	243 44 18,8
28 <i>Arcturus.</i> *	211 13 35,4	<i>Spica Virginis.</i> *	198 11 28,5	23 <i>α Aquilæ.</i> *	294 48 50
<i>Antares.</i> *	243 44 19	<i>Arcturus.</i> *	211 13 33,1	24 <i>Capella.</i> *	74 49 18,6
29 <i>Syrius.</i> *	98 40 55,4	<i>Capella.</i> *	74 48 54,7	<i>Rigel.</i> *	75 47 29,1
<i>Procyon.</i> *	111 43 22,2	24 <i>Arcturus.</i> *	211 13 32,6	<i>α Orionis.</i> *	85 35 19,9
<i>Pollux.</i> *	112 41 56	<i>Antares.</i> *	243 44 20,5	<i>Venus's Center.</i> *	98 40
<i>Arcturus.</i> *	211 13 35,3	26 <i>Arcturus.</i> *	211 13 22,2	<i>Syrius.</i> *	98 40 34,6
J U N E.		<i>Antares.</i> *	243 44 20,6	29 <i>Capella.</i> *	74 49 21
2 <i>Spica Virginis.</i> *	198 11 31	<i>α Aquilæ.</i> *	294 48 47,2	A U G U S T.	
4 <i>Regulus.</i> *	148 56 9,6	29 <i>Arcturus.</i> *	211 13 31,9	2 <i>Capella.</i> *	74 49 22,1
16 <i>Spica Virginis.</i> *	198 11 30,8	<i>Antares.</i> *	243 44 20,7	<i>Rigel.</i> *	75 47 32
<i>Arcturus.</i> *	211 13 35,1	J U L Y.		4 <i>Aldebaran.</i> *	65 35 23
18 <i>Spica Virginis.</i> *	198 11 30,6	4 <i>Capella.</i> *	74 48 41	<i>Capella.</i> *	74 49 24,6
19 <i>Spica Virginis.</i> *	198 11 30,5	<i>Rigel.</i> *	75 47 22,4	6 <i>Rigel.</i> *	75 47 33,4
<i>Arcturus.</i> *	211 13 19,5	7 <i>Arcturus.</i> *	211 13 30,2	<i>α Orionis.</i> *	85 35 23,9
20 <i>Spica Virginis.</i> *	198 11 28,8	14 <i>Spica Virginis.</i> *	198 11 24,7	7 <i>Aldebaran.</i> *	65 35 25
<i>Arcturus.</i> *	211 13 33,2	20 <i>Antares.</i> *	243 44 19	<i>Capella.</i> *	74 49 26
<i>Capella.</i> *	74 48 54,5	22 <i>Spica Virginis.</i> *	198 11 23	<i>Rigel.</i> *	75 47 34

Calculated MEAN TIMES of the Moon's passing the Meridian, with LONGITUDE and LATITUDE, from Observations taken between Aug. 30, 1762, and Mar. 2, 1765.

	Mean Time.	Longitude.	Latitude.		Mean Time.	Longitude.	Latitude.
In the Year 1762.				In the Year 1762.			
	h	'	"	S	o	'	"
Aug. 30	9	27	42,92	9	28	0	28,2
31	10	15	44,26	10	10	18	37,6
Sept. 1	11	1	2,13	10	22	33	44,6
5	13	46	32,37	0	11	41	58,1
7	15	10	17,45	1	6	54	15,7
11	18	41	3,58	3	1	3	24,2
12	19	42	9,00	3	15	42	44,8
25	6	31	20,26	9	11	12	12,2
28	8	58	25,33	10	18	21	43,7
Oct. 4	13	9	1,47	1	2	53	42,4
26	7	38	7,46	10	25	56	30,4
27	8	20	13,65	11	8	9	5,1
28	9	0	45,68	11	20	34	34,7
Nov. 1	11	49	14,49	1	11	13	7,0
3	13	31	49,86	2	8	13	27,5
21	4	46	5,40	10	8	31	36,2
23	6	15	16,74	11	3	7	54,6
25	7	36	0,72	11	27	33	47,1
						</	

Calculated MEAN TIMES of the Moon's passing the Meridian, with LONGITUDE and LATITUDE, from Observations taken between Aug. 30, 1762, and Mar. 2, 1765.

	Mean Time.	Longitude.	Latitude.		Mean Time.	Longitude.	Latitude.
In the Year 1763.				In the Year 1764.			
	h / m / s	S / O / N	O / N		h / m / s	S / O / N	O / N
Mar. 22	6 12 1,60	3 2 52 59,0	4 55 39,3N	Jan. 11	6 13 48,46	0 26 58 39,5	1 36 41,8N
24	8 12 16,50	4 1 36 30,1	5 12 12,5N	14	8 29 3,46	2 4 10 10,3	4 10 39,5N
26	10 4 52,41	5 2 3 1,4	4 6 18,5N	21	14 53 49,23	5 11 52 30,0	2 9 40,2N
				23	16 29 45,39	6 11 11 51,0	0 22 13,9 S
Apr. 21	6 59 19,09	4 10 44 14,5	5 2 24,5N	Feb. 10	6 19 18,38	1 28 38 1,7	4 6 51,4N
22	7 53 45,03	4 25 27 31,0	4 28 8,6N	11	7 9 29,31	2 11 15 38,2	4 41 53,2N
23	8 45 53,53	5 10 28 5,6	3 35 13,8N	13	9 0 0,49	3 7 38 47,9	5 9 43,1N
25	10 26 45,31	5 11 4 19,0	1 6 45,6N	15	10 54 28,91	4 5 45 27,9	4 28 13,3N
May 4	18 39 49,55	10 18 32 51,8	4 44 51,1 S	18	13 34 6,33	5 20 25 37,3	1 20 29,9N
5	19 23 26,04	11 0 53 31,4	4 9 29,7 S	20	15 13 20,61	6 20 41 39,0	1 23 5,5 S
17	3 57 41,17	3 22 4 12,2	5 11 20,8N	24	18 55 12,43	8 19 29 34,5	5 1 24,1 S
18	4 54 39,60	4 6 17 9,7	5 2 47,0N	Mar. 13	8 38 30,74	3 28 38 18,8	4 50 30,9N
22	8 18 19,85	6 4 47 17,9	1 35 37,2N	15	10 26 23,61	4 27 30 58,46	3 13 8,4N
23	9 7 19,51	6 19 42 50,6	0 16 4,8N	16	11 17 46,54	5 12 34 50,5	2 1 1,7N
29	14 48 8,81	9 16 55 54,2	5 7 3,7 S	17	12 9 26,92	5 27 57 21,2	0 38 53,6N
June 16	4 41 50,16	5 1 38 24,7	4 42 57,6N	20	14 48 56,88	7 14 33 26,6	3 22 21,3 S
18	6 15 24,67	6 0 6 55,4	1 47 59,9N	21	15 47 2,59	7 29 48 25,8	4 20 19,5 S
19	7 3 4,56	6 14 43 9,7	0 32 25,0N	22	16 47 36,09	8 14 41 9,3	4 57 46,6 S
20	7 51 49,02	6 29 18 5,1	0 44 58,9 S	Apr. 12	9 3 31,43	5 4 50 28,8	2 38 43,2N
21	8 42 53,34	7 13 50 58,8	1 58 56,8 S	13	9 53 19,80	5 19 46 44,1	1 22 40,8N
26	13 30 54,56	9 24 25 25,1	5 0 34,8 S	20	16 38 42,75	9 8 1 25,3	5 13 43,7 S
29	15 54 59,76	11 3 7 39,8	3 39 34,5 S	May 5	3 27 12,77	3 5 20 20,3	5 8 41,4N
July 4	19 15 23,54	1 4 18 36,5	1 17 32,9N	6	4 21 2,42	3 18 15 10,0	4 59 53,7N
20	8 26 49,70	8 7 48 9,0	3 50 45,5 S	7	7 13 59,09	4 1 26 31,6	4 35 7,0N
22	10 22 26,72	9 5 33 17,3	4 54 13,7 S	8	6 5 11,18	4 14 54 56,9	3 53 57,6N
23	11 19 7,01	9 19 5 57,5	5 0 40,8 S	13	10 12 9,98	6 28 14 28,1	2 6 50,2 S
Aug. 2	18 38 52,77	1 24 12 39,3	3 6 12,2N	17	14 20 54,70	9 1 1 14,0	5 5 52,0 S
4	20 24 31,64	2 20 38 11,2	4 34 11,3N	18	15 24 6,55	9 15 58 14,47	4 58 49,7 S
23	12 29 7,73	11 6 1 57,2	3 14 5,0 S	20	17 15 6,43	10 14 9 0,1	3 51 57,3 S
27	15 7 7,54	0 24 45 22,9	0 54 19,9N	21	18 2 28,73	10 27 25 12,8	2 59 40,5 S
28	15 48 22,56	1 6 55 32,0	1 57 56,5N	23	19 26 25,91	11 22 45 28,0	0 55 52,5 S
29	16 32 28,09	1 19 15 29,0	2 57 6,6N	June 6	5 38 22,32	5 8 1 8,9	2 2 7,1N
Sept. 1	19 8 14,53	2 28 9 46,6	4 59 9,8N	7	6 24 53,14	5 22 7 25,1	0 50 31,6N
3	21 6 27,70	3 26 25 31,2	5 5 50,6N	10	8 53 2,43	7 6 32 39,2	2 53 10,9 S
22	22 26 55,31	0 8 33 12,8	0 31 18,7 S	14	13 4 35,32	9 8 30 28,1	4 58 26,6 S
27	16 5 19,42	2 10 3 43,6	4 23 6,3N	16	15 3 17,19	10 7 50 22,3	4 0 42,9 S
28	16 58 43,21	2 22 59 20,4	4 56 12,0N	17	15 54 14,37	10 21 41 45,5	3 10 9,5 S
Oct. 13	5 58 5,0	9 19 22 24,9	5 16 27,0 S	July 7	6 45 38,25	7 0 59 40,0	2 41 49,1 S
14	6 51 12,7	10 2 34 25,6	5 1 26,4 S	8	7 39 0,66	7 15 52 26,8	3 41 54,3 S
16	8 24 36,65	10 27 55 13,4	3 49 52,1 S	17	15 57 58,46	11 25 10 52,0	0 14 7,8 S
17	9 6 15,78	11 10 14 8,9	2 57 46,8 S	Aug. 12	13 8 33,02	11 6 23 25,0	1 46 7,7 S
21	11 45 40,56	0 28 49 22,9	1 19 35,7N	Oct. 5	8 58 20,25	10 26 42 27,3	2 34 18,1 S
26	15 48 46,11	3 1 52 36,2	5 8 29,2N	7	10 24 12,81	11 22 36 16,0	0 18 19,8 S
29	18 34 46,70	4 12 50 2,7	4 36 40,3N	18	19 2 40,27	4 10 5 9,0	3 43 16,7N
31	20 17 26,20	5 11 55 41,2	2 48 11,0N	20	20 39 45,10	5 7 37 45,6	1 36 39,2N
Nov. 12	6 21 8,04	10 23 25 25,6	4 0 16,7 S	31	6 7 4,02	10 9 3 36,4	3 42 53,7 S
13	7 4 12,16	11 5 51 21,7	3 11 22,3 S	Nov. 4	9 4 15,61	0 1 12 14,5	0 33 6,3N
15	8 23 33,00	0 0 18 55,7	1 12 21,0 S	10	13 30 40,07	2 14 58 21,7	5 0 24,6N
17	9 41 48,48	0 24 32 34,1	0 58 19,8N	29	5 38 21,17	11 1 12 35,1	1 50 57,6 S
18	10 23 19,39	1 6 47 55,9	2 2 9,8N	Dec. 6	10 35 15,98	1 28 36 32,3	4 34 52,4N
19	11 7 40,51	1 19 13 18,8	3 0 26,0N	29	5 40 38,30	0 5 0 27,5	1 21 43,0N
21	12 49 31,64	2 14 42 40,2	4 30 20,3N	31	7 2 40,94	0 29 52 51,1	3 17 14,7N
28	18 59 35,00	5 21 1 27,3	1 54 5,7N	In the Year 1765.			
Dec. 9	4 13 10,12	10 17 54 19,5	4 5 28,6 S	Feb. 3	10 39 12,42	3 21 53 26,7	4 15 15,6N
11	5 40 44,09	11 13 20 26,7	2 24 27,4 S	Mar. 2	8 28 48,42	3 16 19 39,4	4 35 18,8N
19	11 33 49,50	2 22 56 24,0	4 45 57,9N				
20	12 33 1,30	3 6 25 6,8	4 59 36,6N				
25	16 57 20,64	5 16 37 18,1	2 0 16,6N				

APPARENT RIGHT ASCENSIONS OF THE PLANETS,

Computed from the Observations made at the Royal Observatory during the Residence of
MR. BLISS, and from the time of his Demise to the coming of DR. MASKELYNE.

DAY of the MONTH.	Planets.	Apparent AR. in Time.	DAY of the MONTH.	Planets.	Apparent AR. in Time.	DAY of the MONTH.	Planets.	Apparent AR. in Time.
1762		H ' "	1762		H ' "	1763		H ' "
AUG. 29.	Saturn. Jupiter.	1 33 24,08 2 35 20,78	26.	Saturn. Jupiter.	1 9 38,49 1 56 32,51	29.	Venus.	8 38 42,84
SEPT. 1.	Jupiter.	2 35 19,08	1763			30.	Jupiter. Venus.	4 53 58,94 9 43 37,01
7.	Jupiter.	2 34 54,45	JAN. 2.	Saturn. Jupiter.	1 10 4,24 1 56 53,16	SEPT. 3.	Jupiter.	4 55 43,47
14.	Venus.	14 3 52,72	6.	Saturn. Jupiter.	1 10 26,19 1 57 22,15	27.	Saturn. Jupiter.	2 21 29,41 5 2 1,40
16.	Jupiter.	2 33 25,61	14.	Saturn. Jupiter.	1 11 31,34 1 58 56,61	28.	Saturn. Jupiter.	2 21 14,60 5 2 8,29
17.	Venus.	14 17 3,01	15.	Saturn. Jupiter. Venus.	1 11 41,57 1 59 12,08 19 18 40,92	30.	Saturn.	2 20 46,95
18.	Saturn.	1 29 30,15	16.	Saturn. Jupiter.	1 11 51,43 1 59 27,56	OCT. 2.	Jupiter.	5 2 22,80
25.	Venus.	14 52 39,59	17.	Saturn. Jupiter.	1 12 1,72 1 59 43,94	5.	Jupiter.	5 2 24,80
29.	Venus.	15 10 45,26	Feb. 3.	Jupiter.	2 6 8,62	6.	Saturn. Jupiter.	2 19 13,41 5 2 24,01
OCT. 4.	Saturn. Jupiter.	1 25 14,10 2 27 35,24	19.	Jupiter.	2 14 52,13	11.	Saturn. Jupiter.	2 17 49,90 5 2 4,76
5.	Jupiter.	2 27 9,38	23.	Venus.	19 35 6,46	14.	Saturn. Jupiter.	2 16 59,18 5 1 44,13
7.	Venus. Saturn.	15 47 25,83 1 24 21,42	27.	Venus.	19 47 8,03	16.	Saturn.	2 16 23,20
12.	Venus.	16 10 38,59	MAR. 5.	Venus.	20 7 5,24	21.	Saturn.	2 14 52,92
13.	Venus.	16 15 17,80	6.	Jupiter.	2 24 56,16	31.	Saturn.	2 11 49,03
26.	Saturn. Jupiter.	1 18 48,32 2 16 54,92	7.	Jupiter.	2 25 40,38	Nov. 2.	Saturn.	2 11 12,56
28.	Venus.	17 24 58,74	8.	Jupiter. Venus.	2 26 24,01 20 17 46,51	3.	Saturn.	2 10 53,63
Nov. 1.	Saturn. Jupiter.	1 17 8,12 2 13 46,35	14.	Venus.	20 40 12,03	7.	Saturn.	2 9 41,41
2.	Venus.	17 47 35,67	JULY 4.	Venus.	4 50 21,45	12.	Saturn.	2 8 13,28
3.	Saturn. Jupiter.	1 16 35,45 2 12 43,33	14.	Jupiter. Venus.	4 22 36,46 5 41 52,34	15.	Saturn. Jupiter.	2 7 21,45 4 50 40,48
9.	Venus. Saturn. Jupiter.	18 18 4,98 1 15 4,62 2 9 40,82	24.	Jupiter. Venus. Mercury.	4 30 38,73 6 34 18,82 6 58 46,57	17.	Saturn. Jupiter.	2 6 48,65 4 49 39,34
12.	Venus.	18 30 34,98	29.	Jupiter.	4 34 25,98	18.	Saturn.	2 6 33,12
15.	Venus.	18 42 39,68	Aug. 2.	Jupiter. Venus.	4 37 21,30 7 21 37,54	19.	Saturn. Jupiter.	2 6 16,52 4 48 34,38
21.	Saturn. Jupiter.	1 12 28,47 2 4 11,23	6.	Saturn. Jupiter. Venus.	2 25 26,33 4 40 8,28 7 42 30,71	21.	Saturn. Jupiter.	2 5 44,98 4 47 28,70
23.	Venus.	19 12 16,81	7.	Jupiter.	4 40 49,02	26.	Jupiter.	4 44 40,06
DEC. 20.	Venus.	20 6 12,68	28.	Saturn. Jupiter.	2 25 54,35 4 53 2,85	28.	Saturn. Jupiter.	2 4 2,61 4 43 30,10
23.	Venus. Saturn. Jupiter.	20 5 48,26 1 9 34,34 1 56 35,65				Dec. 2.	Saturn. Jupiter.	2 3 10,09 4 41 12,84
25.	Venus. Saturn. Jupiter.	20 4 40,55 1 9 36,76 1 56 32,83				9.	Saturn. Jupiter.	2 1 50,90 4 38 9,97

APPARENT RIGHT ASCENSIONS OF THE PLANETS, &c.

DAY of the MONTH.	Planets.	Apparent AR. in Time.	DAY of the MONTH.	Planets.	Apparent AR. in Time.	DAY of the MONTH.	Planets.	Apparent AR. in Time.
1763		H ' "	1764		H ' "	1764		H ' "
♂ 13.	Jupiter.	4 34 54,35	♂ 25.	Jupiter.	4 22 49,27	♂ 20.	Venus. Mars.	9 7 48,41 16 11 41,84
♂ 19.	Saturn. Jupiter.	2 0 28,34 4 31 40,37	♂ 27.	Jupiter.	4 24 31,39	♀ 22.	Mars.	16 9 42,92
♀ 23.	Saturn.	2 1 6,49	♀ 29.	Jupiter.	4 25 16,72	JULY 7.	Venus. Mars.	9 51 11,35 16 2 12,81
☉ 25.	Jupiter. Mars.	4 28 41,44 13 44 29,45	MAR. 16.	Venus. Jupiter.	1 51 3,51 4 32 56,58	☉ 8.	Venus. Mars.	9 52 57,33 16 2 11,55
♀ 30.	Jupiter. Mars.	4 26 26,24 13 55 23,64	♂ 22.	Mars.	16 38 7,77	♂ 9.	Venus.	9 54 38,38
1764			♀ 30.	Venus. Jupiter.	2 55 41,02 4 41 43,78	♂ 19.	Venus.	10 4 58,02
JAN. 1.	Jupiter.	4 25 37,15	APR. 2.	Venus.	3 9 52,74	♂ 28.	Mars.	16 13 54,96
♂ 3.	Jupiter.	4 24 50,99	♀ 13.	Venus.	4 2 59,20	AUG. 11.	Jupiter.	6 45 30,19
♂ 11.	Saturn. Jupiter.	1 59 53,34 4 22 12,99	♂ 21.	Venus. Jupiter.	4 42 26,68 4 58 38,14	SEPT. 14.	Jupiter. Venus.	7 11 10,13 9 7 37,38
♂ 14.	Saturn. Jupiter. Mars.	2 0 4,88 4 21 26,02 14 27 52,16	☉ 22.	Venus.	1 4 47 23,81	☉ 16.	Mars.	17 55 1,55
☉ 15.	Venus.	21 10 40,73	MAY 1.	Venus.	5 42 8,86	☉ 23.	Jupiter.	7 16 25,74
♂ 21.	Jupiter. Mars.	4 20 6,87 14 42 52,33	♂ 5.	Venus.	5 51 57,69	♂ 24.	Venus.	9 25 49,59
♂ 26.	Saturn.	2 1 30,45	♂ 7.	Venus.	6 1 48,40	♂ 25.	Mars.	18 19 40,09
♀ 27.	Saturn. Jupiter.	2 1 40,03 4 19 31,93	☉ 13.	Mercury. Venus.	4 43 12,35 6 30 59,59	OCT. 5.	Mars.	18 48 14,92
☉ 29.	Venus. Saturn.	22 18 56,39 2 2 0,27	♀ 18.	Mercury. Venus.	5 15 5,96 6 54 43,56	☉ 7.	Mars.	18 54 4,26
♂ 30.	Venus.	22 23 39,57	♂ 21.	Venus.	7 8 39,69	♂ 20.	Venus.	10 53 16,46
FEB. 1.	Venus. Jupiter.	22 33 3,49 4 19 25,47	♀ 25.	Venus.	7 26 47,34	♂ 24.	Mars.	19 44 21,99
♀ 3.	Venus. Saturn.	22 42 22,57 2 2 58,55	♂ 26.	Venus.	7 31 14,35	♂ 27.	Mars.	19 53 19,19
♂ 4.	Jupiter.	4 19 32,86	☉ 27.	Venus.	7 35 39,42	NOV. 4.	Mars.	20 17 10,69
♀ 10.	Venus. Saturn. Jupiter.	23 14 31,38 2 4 35,54 4 20 9,30	♂ 28.	Venus.	7 40 1,70	DEC. 24.	Saturn. Jupiter.	2 54 12,24 7 13 56,65
♂ 11.	Jupiter.	4 20 18,45	♂ 29.	Venus.	7 44 21,47	☉ 30.	Saturn.	2 53 21,55
♂ 13.	Jupiter.	4 20 38,84	JUNE 5.	Mars.	16 31 14,52	♂ 31.	Mars. Saturn.	22 59 55,57 2 53 14,59
♀ 17.	Jupiter.	4 21 29,80	♂ 6.	Venus. Mars.	8 17 32,74 16 29 46,04	1765		
♂ 18.	Jupiter.	4 21 44,45	♂ 7.	Mars.	16 28 18,37	JAN. 20.	Jupiter.	6 58 41,75
♂ 20.	Jupiter.	4 22 16,56	☉ 10.	Mars.	16 24 1,25	♂ 26.	Saturn.	2 52 44,46
♂ 21.	Venus. Jupiter.	0 3 56,41 4 22 33,31	♀ 13.	Venus.	8 44 3,87	FEB. 3.	Jupiter.	6 52 5,70
			♂ 14.	Mars.	16 18 39,33	♂ 4.	Mars. Saturn. Jupiter.	0 33 33,52 2 53 43,06 6 51 41,92
			☉ 17.	Venus. Mars.	8 57 59,87 16 14 58,27	♂ 18.	Jupiter.	6 47 23,51
			♂ 19.	Mars.	16 12 44,15	MAR. 2.	Jupiter.	6 45 48,68

EXTRACTS

FROM SUCH OF

DR. BRADLEY'S OBSERVATIONS

AS WERE MADE PREVIOUS TO SEPT. 1750.



EXTRACTS

FROM SUCH OF

DR. BRADLEY'S OBSERVATIONS

AS WERE MADE PREVIOUS TO SEPT. 1750.

In the YEAR MDCCXLIII.

☉ JAN. 9.	At 7 ^h 47' 48" by the Sidereal Clock in the Transit Room, the third Satellite of Jupiter emerged. Observed with the fifteen foot Tube. Apparent Time 11 ^h 36' 57".
♂ APR. 12.	At 10 ^h 31' 30" by the Clock in the Transit Room, the first Satellite of Jupiter emerged. Observed with the fifteen foot Tube. Apparent Time 8 ^h 28' 12".
♀ JULY 22.	At 19 ^h 4' 56" by the Clock in the Transit Room, τ Sagittarii immersed behind the Moon's Limb. At 20 ^h 28' 35" it was emerged, but seemed near in contact with the Limb. At 19 ^h 22' 30", the Moon's Diameter taken with the fifteen foot Tube was $63^R. \frac{2}{3} = 29' 24"$. Hence the Apparent Time of the Immersion was 10 ^h 15' 20", of the Emergence 11 ^h 38' 45". Lord Macclesfield observed the Immersion of the same Star at Shirbourn, at 10 ^h 9' 41"—, Apparent Time. And Mr. Bliss observed the Immersion at Oxford to be at 10 ^h 8' 10"—, Apparent Time. From these observations Mr. Morris collected the difference of Meridians of Oxford and Greenwich to be 5' 6", of Shirbourn and Greenwich 4' 1".
♂ 23.	At 18 ^h 19' 41": by the Transit Clock, α Sagittarii immersed behind the Moon, being then $48^R. = 22' 10"$ more North than the parallel of Declination to the Moon's South Limb. At 18 ^h 43' 0" the Moon's Diameter was $63^R. \frac{1}{3} = 29' 28"$. Thin Clouds passing over the Moon, rendered the time of the Immersion a little dubious. Hence the Apparent Time of the Immersion of the Star was 9 ^h 26' 22". No observation at the Quadrant, either of the Moon or Star, is recorded for this day.

In the YEAR MDCCXLIV.

♀ JUNE 6.	An Occultation of Jupiter by the Moon, observed at Greenwich with a fifteen foot Tube and three inch Eye-Glasses.		
h	'	"	
11	5	25	App. t. The third Satellite of Jupiter immersed behind the Moon's Limb.
10	37	—	The second Satellite of Jupiter immersed behind the Moon's Limb.
13	8	—	Jupiter's Center was more South than the Moon's North Limb $18^R. \frac{1}{3} = 8' 29"$.
15	4	—	Jupiter's Limb touched the Moon's Limb.
15	54	—	Jupiter's Center immersed behind the Moon's Limb. Difference of Declination $16^R. 18 = 7' 36"$.
17	14	—	Jupiter wholly immersed behind the Moon's Limb.
44	24	—	Jupiter was seen emerging from behind the Moon's Limb.
46	10	—	Jupiter was wholly emerged, its Limb appearing in contact with the Moon's.
49	8	—	Jupiter was more North than the Moon's North Limb, $2^R. 13 \frac{1}{2} = 1' 5"$.
50	31	—	The Moon's Center followed that of Jupiter $8^R. \frac{1}{2} = 2' 7 \frac{1}{2}"$ in Right Ascension; Jupiter being then $3^R. 4 = 1' 26"$ North of the Moon's North Limb.
			Difference of the Right Ascensions of Jupiter and the Moon's Center.
			In time. In space.
11 ^h	51'	41" App. t.	$10^R. \frac{1}{2} = 2' 37"$
	52	55	$13 = 3 15$
	54	21	$16 \frac{1}{2} = 4 7$
	55	19	$18 = 4 30$
	57	3	$21 = 5 15$
	58	25	$23 = 5 45$
			Difference of Declinations of Jupiter and the Moon's Center.
			Rev. Pts.
			$3 26 \frac{1}{2} = 1' 42"$
			$4 15 = 2 1$
			$5 0 = 2 19$
			$5 31 = 2 40$
			$6 29 = 3 6$
			$7 17 = 3 26$

In the YEAR MDCCXLIV.

8 JUNE 6. N. B. This day Arcturus passed the Meridian at $14^h 4' 1''$ by the Transit Clock. Hence it was $0^m \frac{2}{3}$ too fast for Sidereal Time, and G. $0' 10''$ too fast for Sidereal Time. By the Sun's Transit taken June 5. the Clock in the Great Room was $5^h 46' 39''$ before the Apparent Time, when the third Satellite immersed. The observations at the Quadrant were for the Moon's Upper Limb only, and were for the outer divisions $54^\circ 0' 14''$; inner divisions $50^\circ 40' 31''$. No observation is recorded of the Barometer or Thermometer.

In the YEAR MDCCXLV.

8 JAN. 8. At $1^h 25' 15''$ by the Transit Clock, or $5^h 16' 0''$ Apparent Time, Mercury was observed (in the fifteen foot Tube) to precede 1st of Capricorn in time $5' 4'' \frac{1}{2} = 1^\circ 16' 7''$ in Right Ascension, and was more North than the Star $5^R. \frac{1}{2} = 2' 31''$. The following is a Note in the Transit Book; "Mercury seen very plain. It could not be seen at the Quadrant." The Star is not noticed in the Quadrant Book on this day.

In the YEAR MDCCXLVI.

8 AUG. 19.

Observations of an Eclipse of the Moon with the seven foot Tube.

	h	'	"	Sid. t.		Rev.	Pts.
At 20	49	0			The Moon's Diameter. Cloudy.	31	3:
	57	0			The same. Thick flying Clouds.	31	5:
21	12	20			The Chord between the Horns.	17	16
	16	0			The same.	20	11
	19	44			The same.	21	34
	21	52			The same.	23	8
	24	4			The same.	22	32
	26	32			The same.	23	31
	31	51			The same.	25	31::
	33	54			The same.	25	35
	41	57			The same.	28	1
	45	50			The same.	28	37
	50	40			The same.	29	6
	56	22			The same.	29	30
22	2	35			Between the Horns and the bright Limb.	18	35
	5	4			Between the Shadow and the bright Limb.	15	39
	7	43			The Chord between the Horns.	30	17
	15	6			The same.	30	10
	20	51			Between the Shadow and bright Limb.	14	7
	23	15			The same.	14	12
	26	27			The Chord between the Horns.	30	15
	28	13			The same.	30	22
	30	0			The Moon's Diameter.	31	5
	45	47			The Chord between the Horns.	30	20
	52	10			Between the Shadow and bright Limb.	16	33
	54	32			The Chord between the Horns.	29	35
23	0	9			The same.	28	1
	13	55			The same.	25	35
	18	20			The same.	23	31
	21	15			The same.	22	32
	24	0			The same.	21	34
	27	32			The same.	20	11
	31	17			The same.	17	16
	32	49			The same.	16	20
	35	3			The same.	15	13
	36	55			The same.	13	21
	39	30			The same.	11	10
	41	12			The same.	8	11
	54	0			The Moon's Diameter.	31	6
					The same.	31	9
					The same.	31	7
	0	2	0		The same.	31	6
	About 23 ^h	42'	45"		The Horns were quite joined.		
		47	0		The Moon appeared equally bright all over.		

In the YEAR MDCC XLVI.

♂ AUG. 19.	It was so thick all the time of the Eclipse, that there was no Shadow from the Moon. It was darker at first than towards the latter end of the Eclipse. Beginning $10^h 22' 14''$ Apparent time. Middle $11 \ 44 \ 47$ ———— End $13 \ 7 \ 20$ ———— The observations at the Quadrant were for the Moon's Lower Limb only; and were for the outer divisions $66^\circ 2' 4''$; inner divisions $61^\circ 53' 4''$. No observation is recorded of the Barometer or Thermometer at the time of the Eclipse.
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In the YEAR MDCC XLVIII.

The observations of a Comet at the first, middle, and third, or last, Wire of the Transit are recorded as below.				
	First Wire. h / "	Meridian Wire. h / "	Third Wire. h / "	
♂ APR. 23.		11 25 50::	11 27 51	A Comet.
○ 24.		34 37	36 47	The Comet.
○ 25.	Cloudy	44 11	46 29	The Comet. Faint.
♂ 26.	11 52 11	54 40½	57 11	The Comet. Below the Pole.
♂ 27.		12 6 1+	12 8 43	The Comet. Faint.
♂ 28.		18 12	21 9	The Comet. Below the Pole.
♂ 30.	12 41 55	45 16	48 36	The Comet.
○ MAY 1.	12 56 31:	59 59	Cloudy	The Comet.
○ 2.	13 11 51	13 15 30		The Comet. Faint. Below.
○ 9.	15 6 48	15 11 20:	15 16 3::	The Comet. Very faint.
♂ 12.	Clouds	55 15::	Clouds	The Comet.
♂ 14.	16 15 35	16 20 18	16 25 2	The Comet. Below.
○ 15.	27 0	31 38	36 19	The Comet. Very faint.
○ 16.	37 37	42 17		The Comet. Faint.
♂ 17.	47 40	52 15	56 45	The Comet. Faint.
♂ 18.	56 50	17 1 19	17 5 47	The Comet. Faint.
♂ 27.		18 0 20::	18 4 15:	The Comet. Below. Faint.
No mention is made of the Comet in the Quadrant Book, or in any loose paper, which the Editor has been able to find.				

Observations of an Eclipse of the Sun.				
h	'	"		
At 9	4	35—	App. t. The beginning of the Eclipse. The Difference of Declination of the point of Contact and the South Limb $24^R \frac{2}{3} = 23' 38''$.	
10	5	20—	The middle of a spot immersed.	
20	5+	—	The Line Horizontal Horns from the North Limb $22^R \cdot 2 = 21' 16''\frac{1}{2}$.	
30	53½	—	The Horns parallel to the Equator. The distance of the Horns from the bright Limb $21^R \cdot 16 = 20' 39''$.	
33	26	—	The Distance between the Moon and the bright Limb $5^R \cdot 28\frac{1}{2} = 5' 31''$.	
35	33—	—	The same. $5 \ 25 = 5 \ 25\frac{1}{2}$.	
48	11—	—	Digits eclipsed $9\frac{1}{2}$ by the Box.	
50	45+	—	The Horns perpendicular.	
53	25—	—	Digits eclipsed 9 by the Box.	
57	24+	—	The same $8\frac{1}{2}$.	
11	1	48½	The same 8.	
1	58½	—	The luminated part $10^R \cdot 35 = 10' 29''\frac{1}{2}$.	
4	8	—	A Spot emerged; another soon after.	
8	7½	—	The Distance between the Horns. $10\frac{3}{4}$ Digits by the Box.	By Chords.
12	2	25½	The Chord between the Horns $12^R \cdot 17\frac{1}{2} = 12' 0''$.	$10' 10''\frac{1}{2}$.
4	30	—	The same. $10 \ 34 = 10 \ 28$.	$10 \ 21$.
6	16	—	The same. $8 \ 36\frac{1}{2} = 8 \ 36$.	$10 \ 11$.
7	11—	—	The same. $8 \ 0 = 7 \ 43$.	$10 \ 20$.
9	57½	—	The end of the Eclipse, as guessed, but it could not be observed exactly because of the Clouds. By the observations of the Chords, the end was at $12^h 10' 15''$ Apparent Time.	

♂ AUG. 24.	At $18^h 31' 5''$ by this Clock, the first Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time $7^h 35' 8''$.
♂ SEPT. 3.	At $21^h 10' 40''$ by this Clock, the third Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time $9^h 39' 18''$.
♂ 23.	At $22^h 39' 47''$, the first Satellite of Jupiter was emerged, by this Clock; Clouds prevented us from seeing it sooner; it appeared but small at this time, so that it had not been long visible. Apparent Time $9^h 55' 57''\frac{1}{2}$.

In the YEAR MDCCXLVIII.

☉ OCT. 2.	At 19 ^h 38' 7 ^s $\frac{1}{2}$ by this Clock, the first Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time 6 ^h 21' 36 ^s .
☉ 9.	At 22 ^h 2' 2 ^s $\frac{1}{2}$ by this Clock, the first Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time 8 ^h 18' 56 ^s .
☉ 16.	At 20 ^h 36' 0 ^s by this Clock, the third Satellite of Jupiter immersed. Apparent Time 6 ^h 26' 17 ^s . At 0 ^h 9' 30 ^s it emerged. Apparent Time 9 ^h 59' 13 ^s . At 0 ^h 26' 7 ^s by this Clock, the first Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time 10 ^h 15' 47 ^s .
♂ 21.	At 7 ^h 34' 30 ^s , Mars preceded γ Virginis 2' 56 ^s + = 44' 4 ^s in Right Ascension. Mars was North of the Star 24 ^R $\frac{1}{10}$ = 11' 12 ^s , (in the fifteen foot Tube.) Neither Mars or the Star was observed at the Quadrant on this day.
♂ NOV. 21.	At 22 ^h 38' 30 ^s by this Clock, the third Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time 6 ^h 0' 9 ^s .5.

In the YEAR MDCCXLIX.

♂ JAN. 18.	At 2 ^h 21' by the Transit Clock, Jupiter preceded γ Aquarii 10 ^s in Time = 2 ^s $\frac{1}{2}$ in Right Ascension; and was 2 ^R $\frac{1}{10}$ = 1' 2 ^s South of the Star. Observed with the fifteen foot Tube. Neither Jupiter or the Star was observed at the Quadrant on this Day.
♀ AUG. 11.	At 20 ^h 35' 40 ^s by this Clock, the first Satellite of Jupiter immersed, by the fifteen foot Tube. Apparent Time 10 ^h 27' 56 ^s . At 21 ^h 6' 10 ^s by this Clock, the second Satellite of Jupiter immersed. Apparent Time 10 ^h 58' 21 ^s .
☉ 20.	At 21 ^h 47' 44 ^s by this Clock, the third Satellite of Jupiter immersed, in the fifteen foot Tube. Apparent Time 11 ^h 7' 1 ^s .
☉ 27.	At 19 ^h 54' 32 ^s by this Clock, the first Satellite of Jupiter immersed, in the fifteen foot Tube. Apparent Time 8 ^h 48' 54 ^s .
♂ SEPT. 12.	At 21 ^h 27' 48 ^s by this Clock, the first Satellite of Jupiter emerged, in the fifteen foot Tube. Apparent Time 9 ^h 24' 36 ^s .4.
♂ OCT. 14.	At 20 ^h 9' 30 ^s by this Clock, the first Satellite of Jupiter emerged, with the fifteen foot Tube. Apparent Time 6 ^h 8' 29 ^s .1.

		Observations of an Eclipse of the Moon with the seven foot Tube, and two inch Eye-Glafs.				Revolutions of the Micrometer.			
Apparent Time.		Time by the Transit Clock.				Rev. Pts.			
h	'	h	'	"					
At 6	20	36	0	30	35	The Moon's Equatorial Diameter.			
	27	6		37	5	The same.			
	50	0	I	0	5	Dense Penumbra.			
	52	30		2	35	The Eclipse began.			
	54	59		5	5	The Spot 6 touched.			
	57	4		7	11	The Chord between the Horns.			
	59	7		9	14	The same.			
7	1	7		11	14	The same.			
	3	10		13	17	The same.			
	5	6		15	13	The same.			
	5	56		16	4	The Center of the Shadow in the middle of 21.			
	8	2		18	10	The Chord between the Horns.			
	9	36		19	44	The same.			
	11	23		21	32	The Shadow from the dark Limb.			
	12	50		22	59	The same.			
				25	33	The Chord between the Horns.			
				27	6	The same.			
				29	55	The same.			
				32	28	The Edge of Shadow from the dark Limb.			
				34	19	The Shadow from the bright Limb.			
				36	7	The same.			
				38	15	The same.			
				44	38	The same.			
				47	4	The same.			
				50	22	The same.			
				52	19	The Chord between the Horns.			
				54	31	The same.			
				56	12	The Shadow from the bright Limb.			
				58	16	The same.			
			2	0	38	The same.			
				2	48	The Chord between the Horns.			
				5	8	The Line through the Horns from the bright Limb.			
				6	34	The Shadow from the bright Limb.			

♂ DEC. 12.

In the Y E A R M D C C L.

4 FEB. 8.	The following is recorded in the Transit Book. "At 23 ^h 24', Apparent Time, a shock of an Earthquake "was felt in London, &c."
2 JUNE 8.	Some observations of the Eclipse of the Moon are recorded on a loose paper, but from the state of the weather, or other circumstances, it appears they were not supposed to be accurate.



